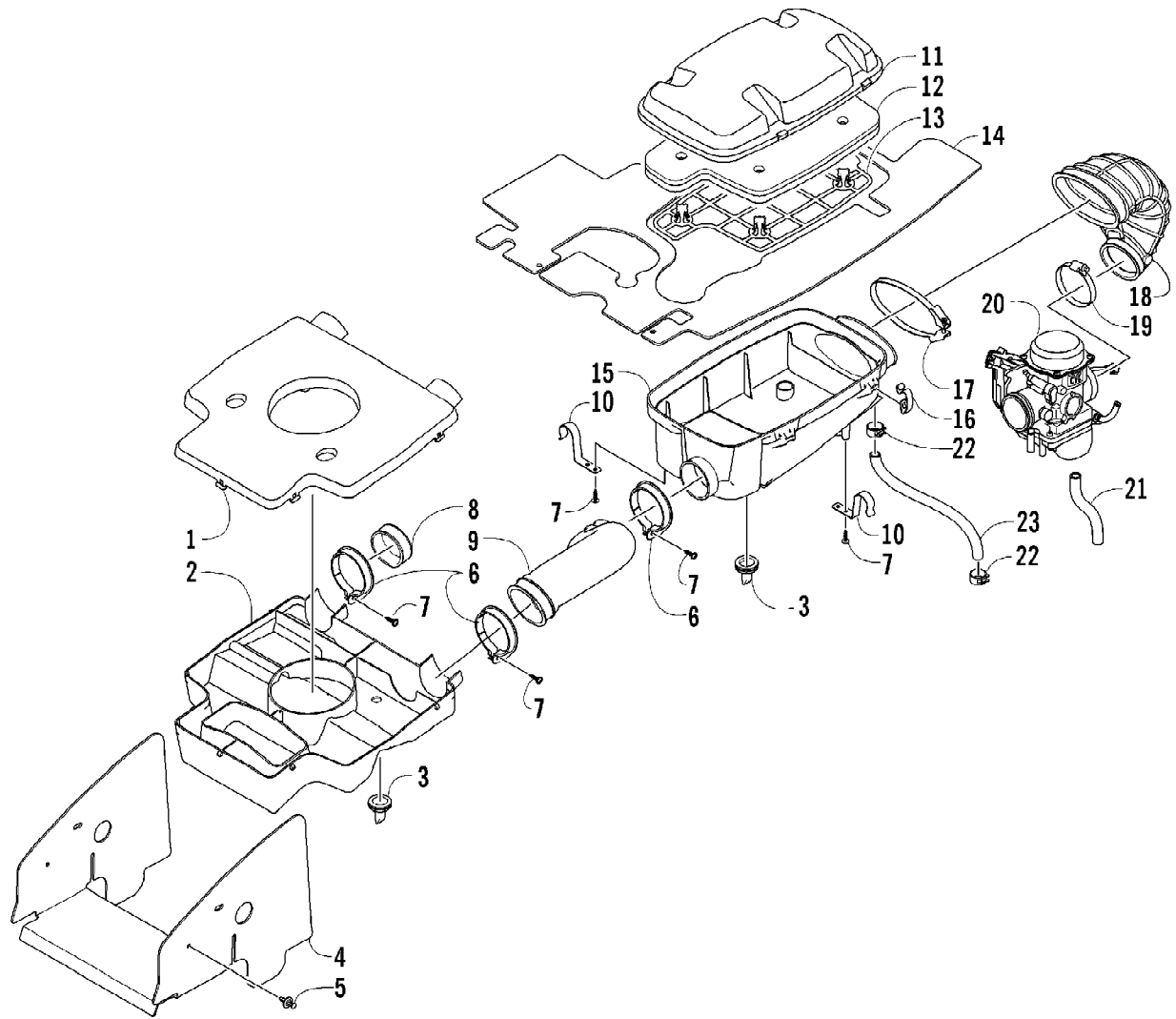


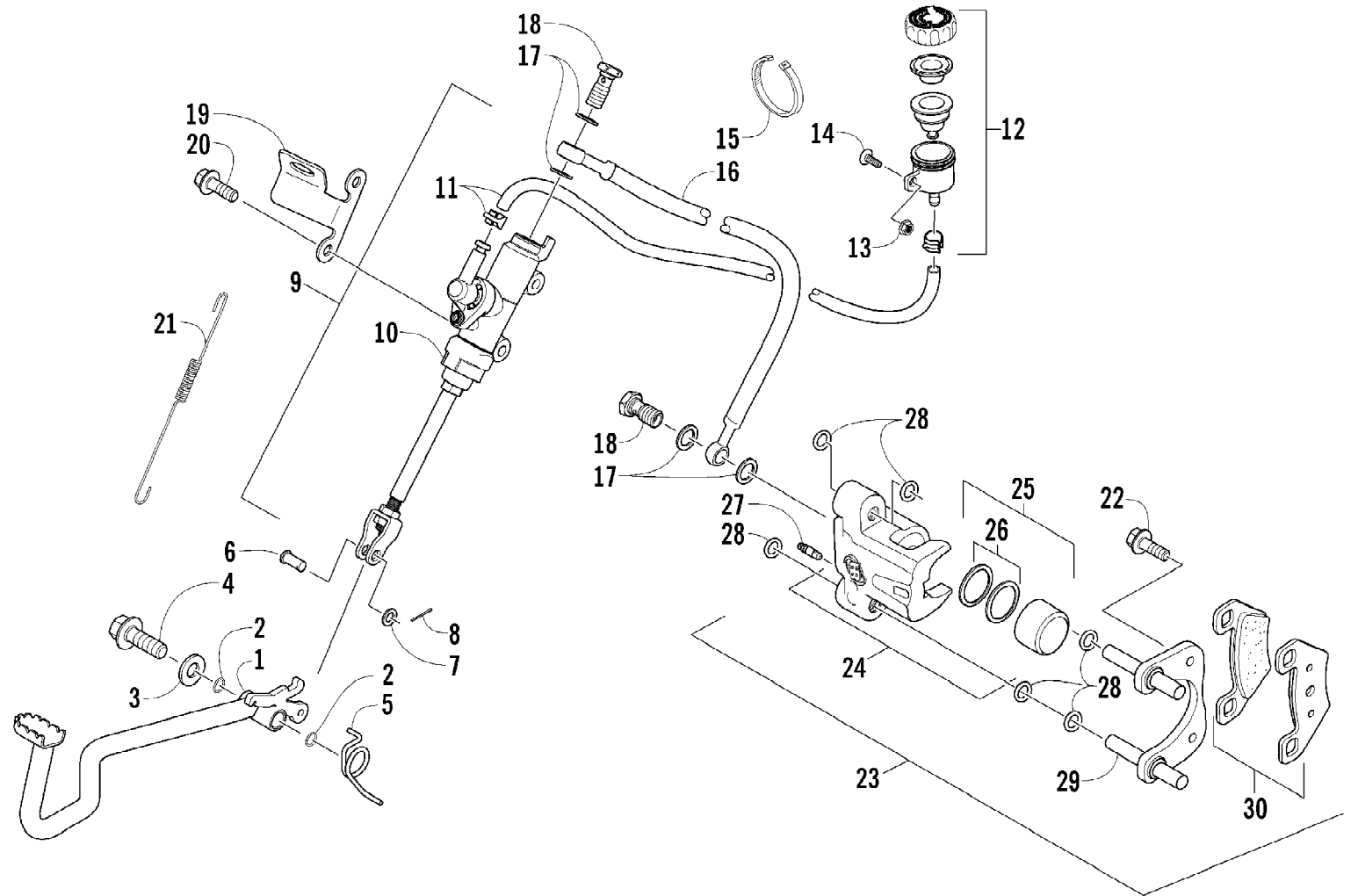
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BU30) 1 of 97
AIR INTAKE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BUS) Page 2 of 97
 AIR INTAKE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0413-091	1		Diverter, Air - Top
2	0413-093	1		Diverter, Air - Bottom
3	0470-442	2	/P	Valve, Drain
4	1406-973	1		Shroud, Splash
5	0623-362	2		Rivet, Reinstallable
6	0423-551	3		Clamp
7	0423-342	7	/P	Screw, Self-Tapping
8	0413-096	1		Cap, Air Intake - Diverter
9	0470-529	1		Boot, Air Intake
10	0423-454	2		Clip, Mounting - Air Intake
11	0470-554	1	S	Cover, Air Intake
12	0470-494	1	S	Filter, Air
13	0470-516	1		Screen, Air Filter
14	2406-009	1		Panel, Shield
15	0470-515	1	S	Housing, Air Intake
16	0423-455	4		Clip, Spring
17	0423-554	1		Clamp
18	0470-511	1		Boot, Carburetor
19	0423-019	1		Clamp, Boot
20	0470-482	1		Carburetor, CVK40-AE
21	0510-592	1		Hose, Carburetor Drain
22	0423-045	2		Clamp, Hose
23	0410-079	1	S	Hose, Vent - Crankcase

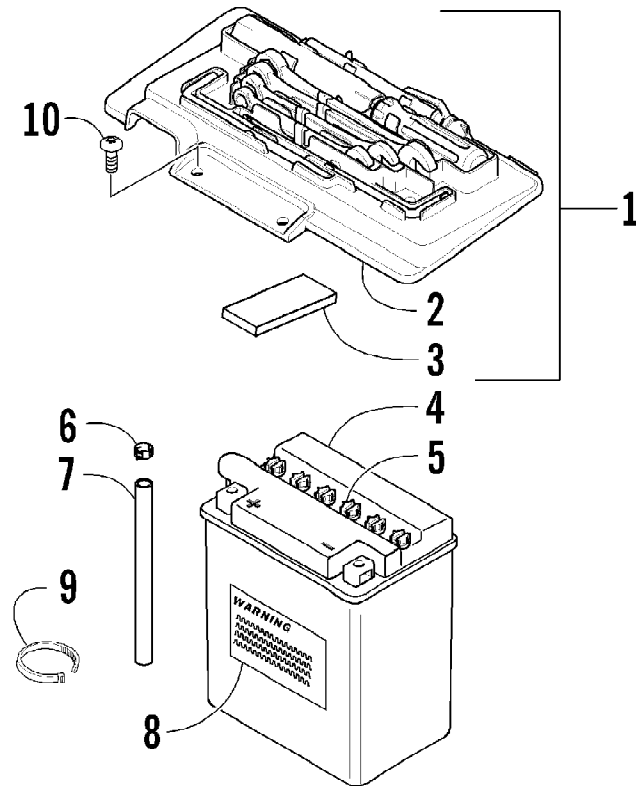
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BU30) 3 of 97
AUXILIARY BRAKE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BUS) Page 4 of 97
 AUXILIARY BRAKE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
	0502-938	1		Fully Bled Master Cylinder Replacement Kit
1	0502-805	1		Lever, Brake
2	1602-213	2	/P	O-Ring
3	8050-252	1		Washer
4	8408-816	1		Screw, Cap
5	0502-807	1		Spring, Brake Lever
6	1402-377	1		Pin, Clevis
7	8050-217	1	/P	Washer
8	0402-584	1		Pin, Cotter
9	0502-881	1		Brake Assembly (inc. 10-12)
10	0	1	F	Master Cylinder
11	0502-880	1		Hose, Brake Reservoir
12	0502-877	1		Reservoir, Brake
13	0623-038	1		Nut, Flanged
14	8476-616	1		Screw, Machine
15	0123-788	1	/P	Cable Tie - 7.5 in.
16	1402-413	1		Hose, Brake - Rear
17	0423-178	4		Washer, Crush
18	0423-413	2		Bolt, Banjo Fitting
19	0502-840	1		Bracket, Switch
20	8408-625	2		Screw, Cap
21	0502-785	1		Spring, Brake Switch
22	8408-820	2	/P	Screw, Cap
23	0502-602	1	S	Caliper, Brake (inc. 24-30)
24	0502-603	1	S	Housing, Caliper - Assembly - Right Front (inc. 25-27)
25	0502-606	1		Piston/Seal Set (inc. 26)
26	0502-607	1		Seal Set
27	0502-609	1	/P	Valve, Bleed
28	0502-608	1		O-Ring, Guide - Set
29	0502-605	1		Bracket Assembly
30	0502-604	1	S	Pad, Brake - Set

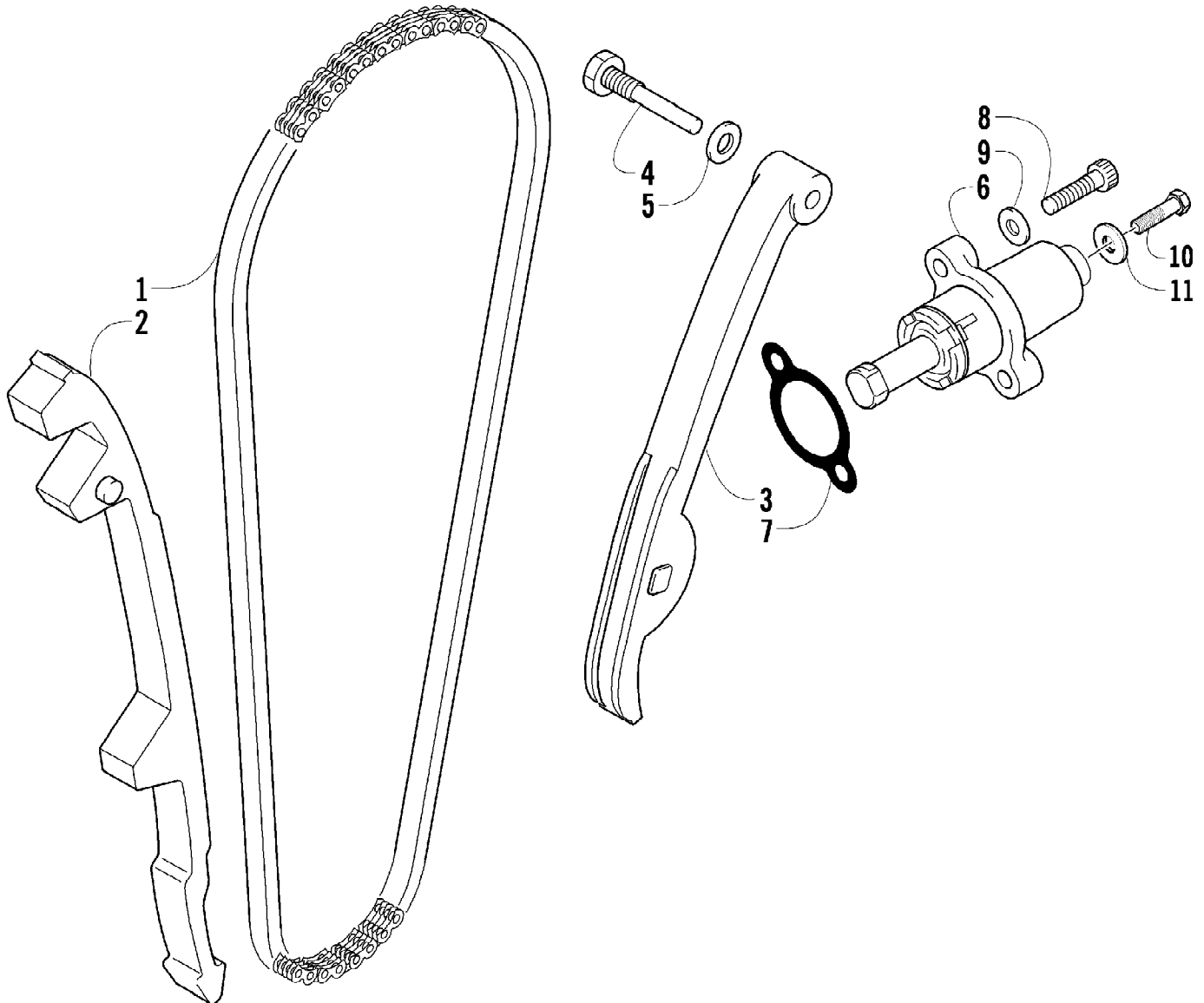
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BU30) 5 of 97
BATTERY ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BU30) Page 6 of 97
BATTERY ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	5990-839	1	S	Battery Cover/Tool Tray Assembly (inc. 2-3)
2	1406-507	1	S	Cover, Battery
3	0406-288	2		Pad, Battery
	0444-122	1	S/P	Kit, Tool
4	0745-045	1	/P	Battery Assembly (inc. 5-8)
5	0645-045	6		Cap, Battery
6	0645-152	1		Clamp, Hose
7	0645-263	1	/P	Hose, Vent
8	0645-151	1		Label, Warning - Battery
9	0123-903	4		Cable Tie - 11.5 in.
10	8476-616	2		Screw, Machine

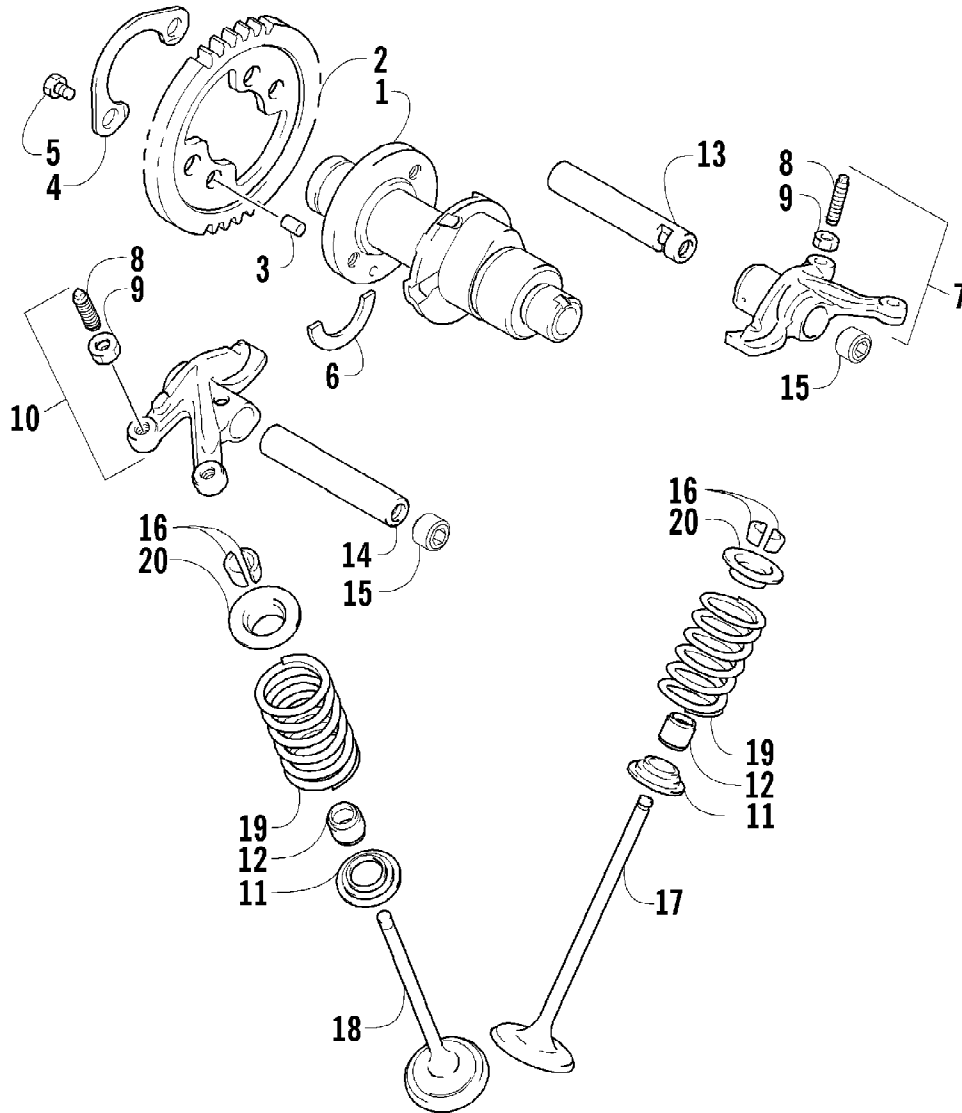
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BU30) 7 of 97
CAM CHAIN ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BU30) Page 8 of 97
CAM CHAIN ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0810-001	1		Chain, Cam
2	0810-002	1		Guide, Chain
3	0810-003	1		Tensioner, Chain
4	0826-036	1		Bolt
5	0830-025	1		Washer
6	0810-004	1		Adjuster, Tensioner - Assembly
7	0830-018	1		Gasket
8	8468-625	2		Screw, Machine
9	0830-107	2		Gasket
10	8400-610	1		Screw, Cap
11	0828-110	1		Washer

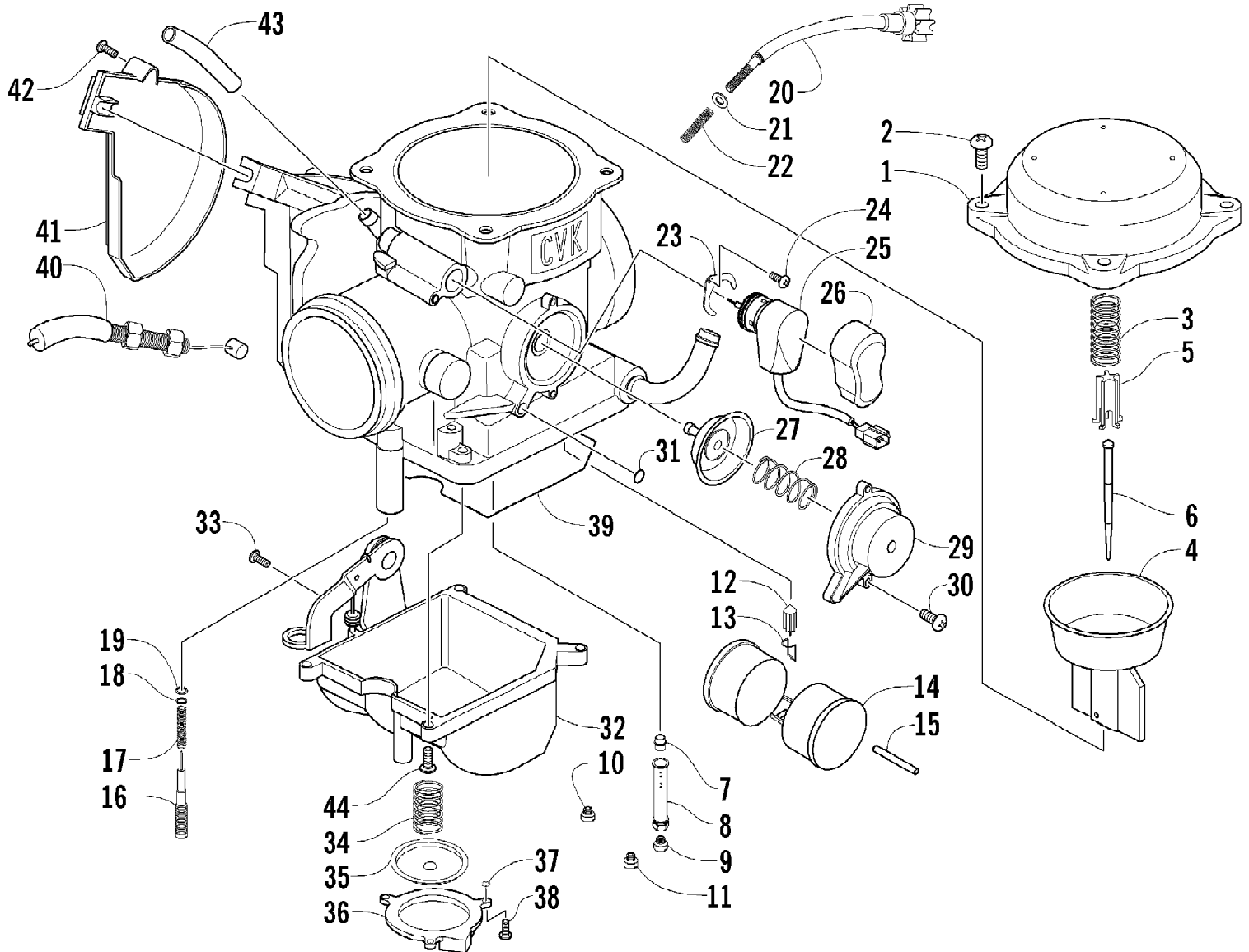
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4BU30) 9 of 97
CAMSHAFT/VALVE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 10 of 97
 CAMSHAFT/VALVE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0809-128	1	S/P	Camshaft
2	0809-002	1		Sprocket
3	0829-008	1		Pin
4	0828-004	1		Washer
5	0826-034	2		Bolt
6	0809-003	1		C-Ring
7	0809-202	1	S/F	Arm, Valve Rocker - Intake (inc. two No. 8-9)
8	0809-033	4	S/F	Screw
9	0827-007	4	F	Nut
10	0809-205	1	S/F	Arm, Valve Rocker - Exhaust (inc. two No. 8-9)
11	0809-006	4	F	Seat, Spring
12	0830-016	4	S/F	Seal, Oil
13	0809-007	1	F	Shaft, Rocker Arm
14	0809-008	1	F	Shaft, Rocker Arm
15	0831-041	2	F	Plug, Shaft
16	0809-014	8	F	Cotter, Valve
17	0809-039	2	S/F	Valve, Intake
18	0809-040	2	S/F	Valve, Exhaust
19	0809-138	4	S/F	Spring, Valve
20	0809-013	4	F	Retainer, Spring

2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 11 of 97
CARBURETOR



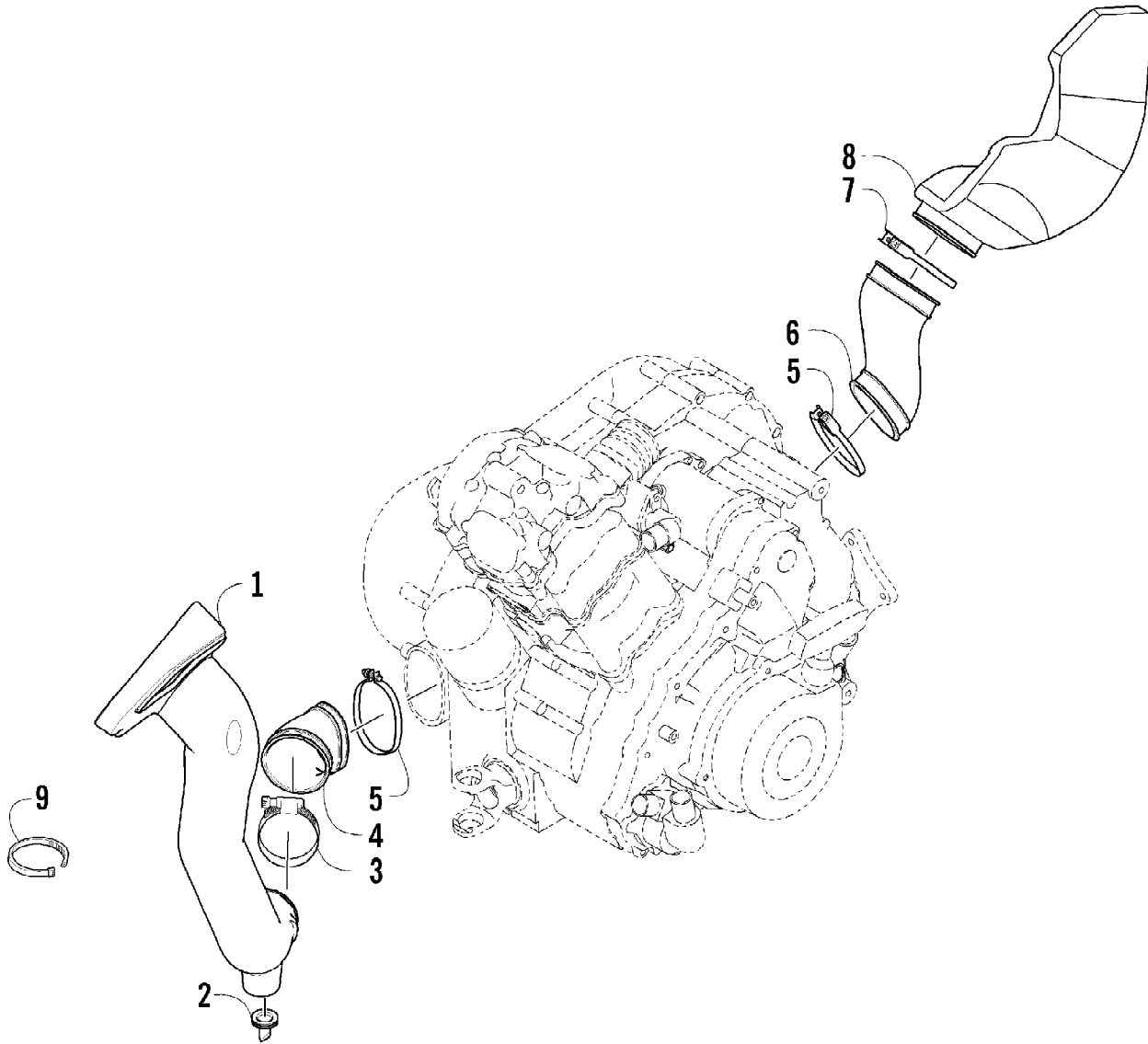
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 12 of 97
 CARBURETOR

Ref #	Part Number	Qty	S/P/F	Description
	0470-482	1		Complete Carburetor Assembly CVK40-AE
1	5507-186	1		Cover, Top
2	5507-187	4		Screw, Top Cover
3	5507-188	1		Spring
4	5507-189	1		Piston, Vacuum
5	5507-190	1		Seat, Spring
6	5507-191	1		Jet Needle
7	5507-192	1		Needle Jet
8	5507-193	1		Holder, Needle Jet
9	5507-076	1	/P	Main Jet - 138
9	5507-072	1		Main Jet - 125
9	5507-073	1		Main Jet - 128
9	5507-074	1		Main Jet - 130
9	5507-075	1		Main Jet - 132
9	5507-057	1	/P	Main Jet - 135
9	5507-043	1		Main Jet - 142
9	5507-042	1	/P	Main Jet - 145
9	5507-041	1		Main Jet - 148
9	5507-086	1		Main Jet - 148
9	5507-009	1	/P	Main Jet - 150
9	5507-077	1		Main Jet - 152
9	5507-078	1		Main Jet - 155
10	5507-194	1	S	Slow Jet
11	5507-112	1		Starter Jet - 85
12	5507-183	1		Valve, Float - Set (inc. 13)
13	0	1	F	Clip
14	5507-039	1		Float Set (inc. 15)
15	0	1	F	Pin, Float
16	5507-111	1		Screw, Pilot Air - Set (inc. 17-19)
17	0	1	F	Spring
18	0	1	F	Washer
19	0	1	F	O-Ring
20	5507-027	1		Screw, Idle Adjust
21	5507-028	1		Washer
22	5507-029	1		Spring
23	5507-115	1		Plate
24	5507-117	1	/P	Screw
25	5507-196	1		Choke, Electric
26	5507-114	1		Cover, Electric Choke
27	5507-116	1		Diaphragm Assembly
28	5507-104	1		Spring
29	5507-105	1		Cover
30	5507-106	2		Screw
31	5507-102	1		U-Ring
32	5507-200	1		Chamber, Float - Assembly (inc. 33-39)
33	5507-195	1	S	Screw, Drain
34	5507-032	1		Spring
35	5507-197	1		Diaphragm Assembly - Pump Housing
36	5507-198	1		Housing, Pump
37	5507-034	1		U-Ring
38	5507-035	3		Screw
39	5507-067	1	/P	O-Ring, Float Chamber
40	0487-021	1	S	Idle Throttle

2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)13 of 97
CARBURETOR

Ref #	Part Number	Qty	S/P/F	Description
41	5507-036	1		Cover
42	5507-037	1	/P	Screw
43	0410-056	1		Hose, Vent
44	5507-017	4	/P	Screw

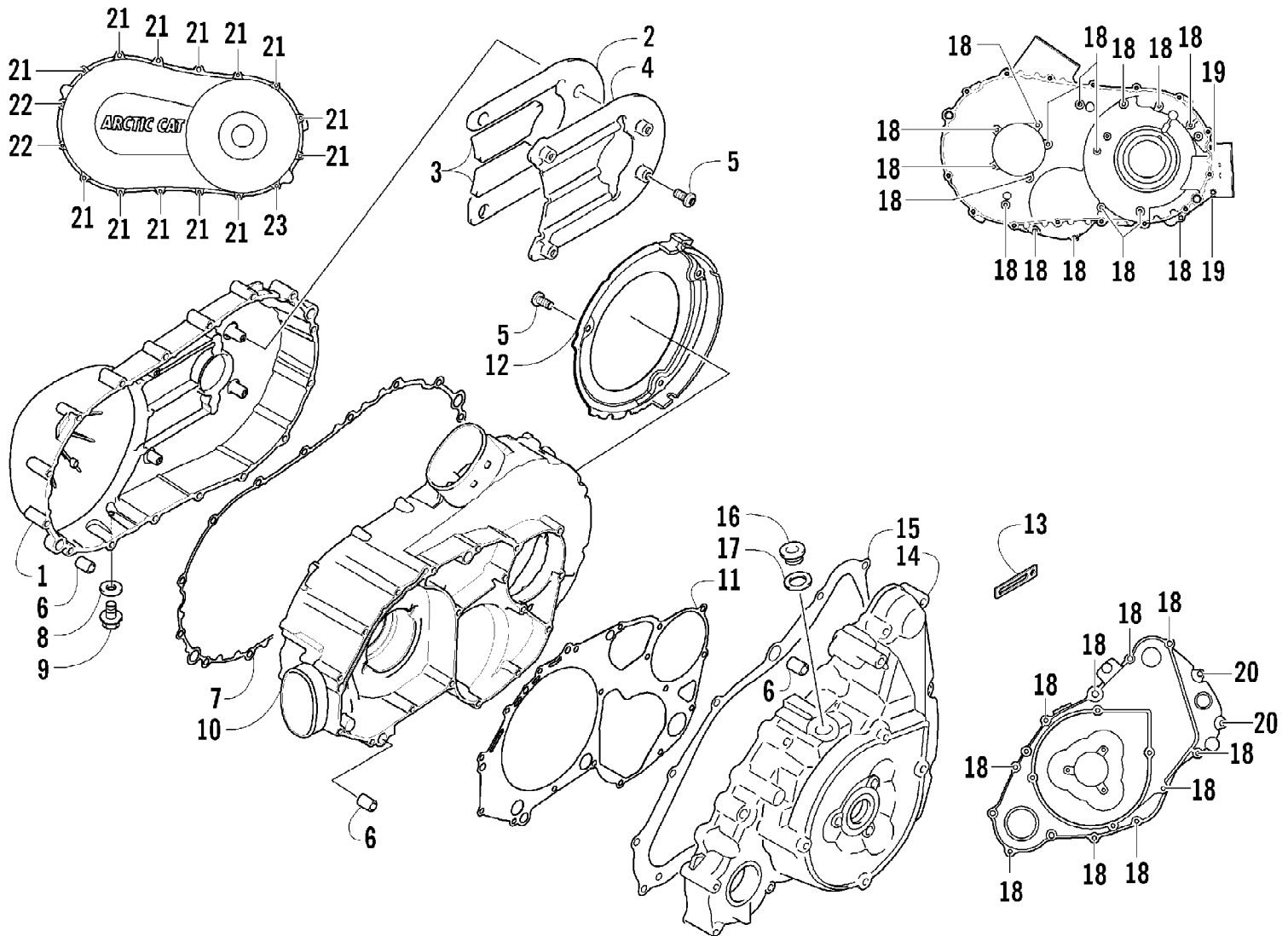
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)14 of 97
CASE/BELT COOLING ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150)15 of 97
CASE/BELT COOLING ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0413-115	1		Duct, Belt Cooling - Front
2	0470-442	1	/P	Valve, Drain
3	0423-578	1		Clamp, Boot
4	0413-114	1	S	Boot, Duct - Front
5	0423-539	2	S	Clamp, Boot
6	0413-097	1		Boot, Duct - Rear
7	0423-554	1		Clamp, Boot
8	0413-119	1	S	Duct, Belt Cooling - Rear
9	0123-903	1		Cable Tie - 11.5 in.

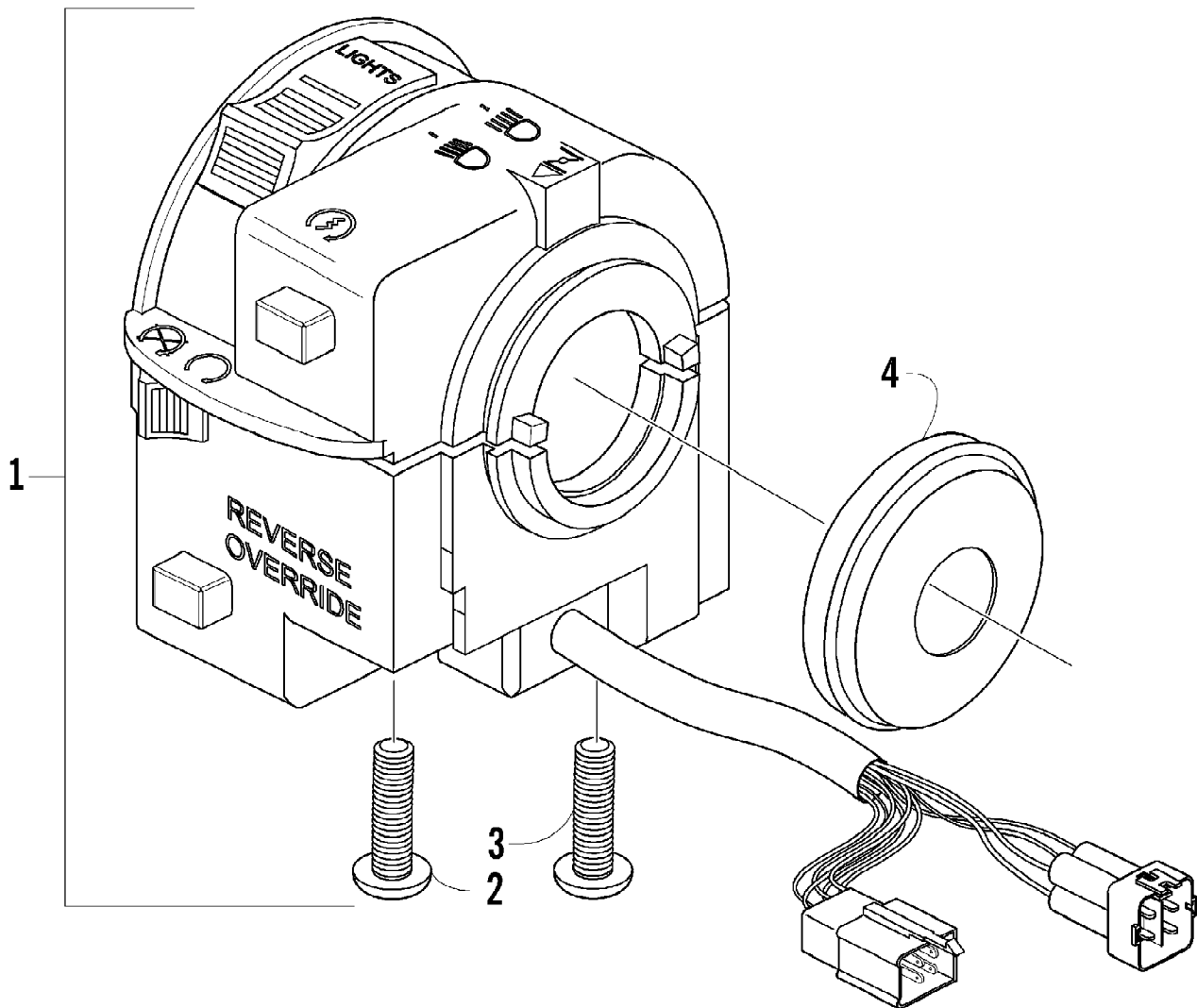
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 16 of 97
CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)17 of 97
 CLUTCH/V-BELT/MAGNETO COVER ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0806-014	1	S	Cover, V-Belt
2	0806-015	1		Damper, V-Belt Cover
3	0806-016	2		Damper, V-Belt Cover
4	0806-017	1		Plate, V-Belt Cover
5	0826-029	7		Screw
6	0829-002	4		Pin, Dowel
7	0830-012	1	S	Gasket, V-Belt Cover
8	0830-013	1		Washer, Crush
9	8408-812	1		Screw, Cap
10	0806-013	1	S	Cover, Clutch
11	0830-116	1	/P	Gasket, Clutch Cover
12	0806-048	1		Seal, Air Intake
13	3002-964	1	/P	Clamp, Wire
14	0806-021	1	S	Cover, Magneto - Assembly
15	0830-128	1		Gasket, Magneto Cover
16	0806-022	1		Plug
17	0830-015	1		Washer, Crush
18	8468-640	26		Screw, Machine
19	8468-675	2		Screw, Machine
20	8468-625	2		Screw, Machine
21	8468-645	13		Screw, Machine
22	8468-655	2		Screw, Machine
23	8470-645	1		Screw, Machine

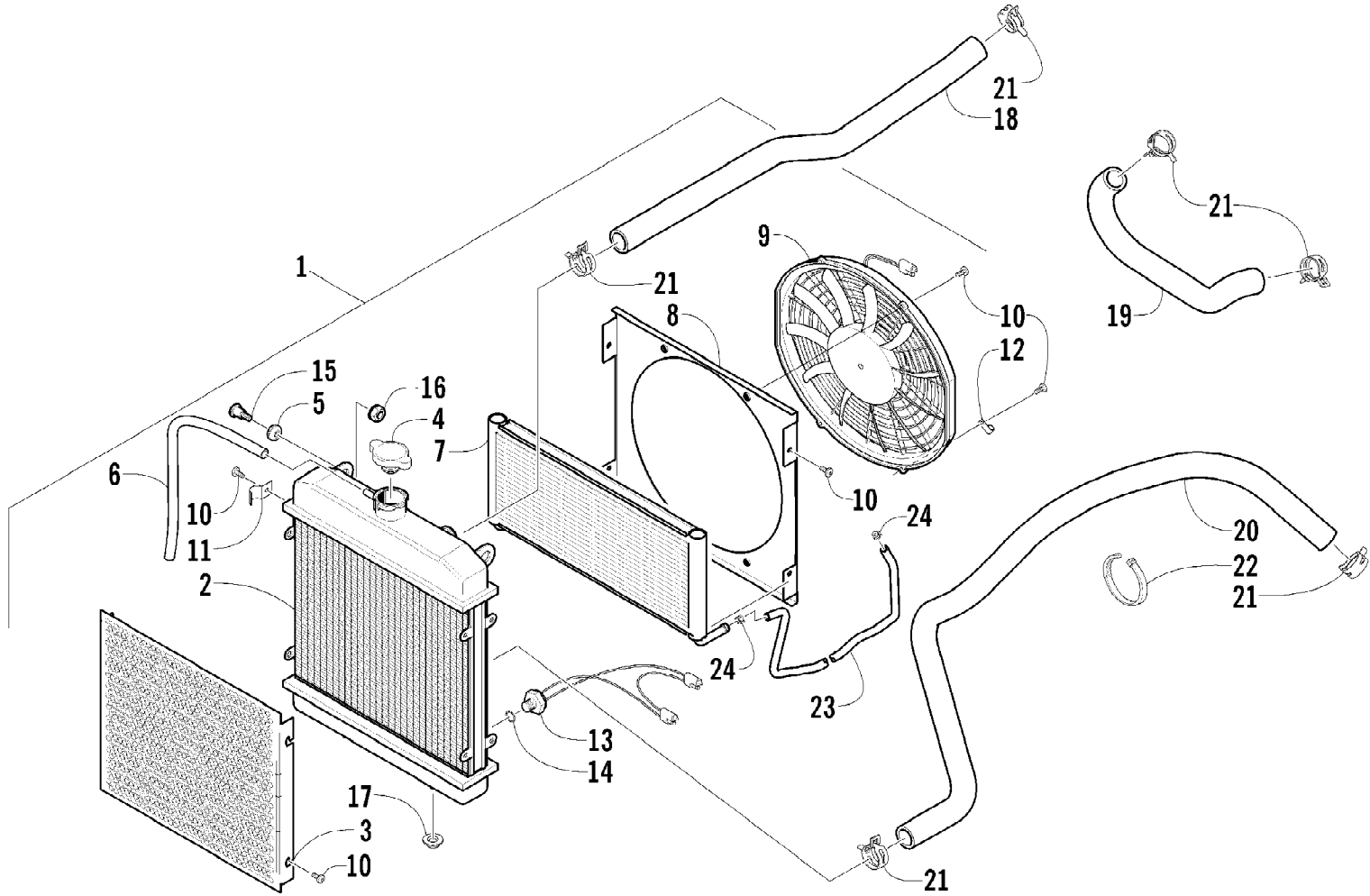
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 18 of 97
CONTROL SWITCH HOUSING ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)19 of 97
CONTROL SWITCH HOUSING ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0509-014	1		Switch, Control - Assembly (inc. 2-4)
2	0409-027	1		Screw, Machine
3	0409-028	1		Screw, Machine
4	3409-019	1		Cover, Switch Housing

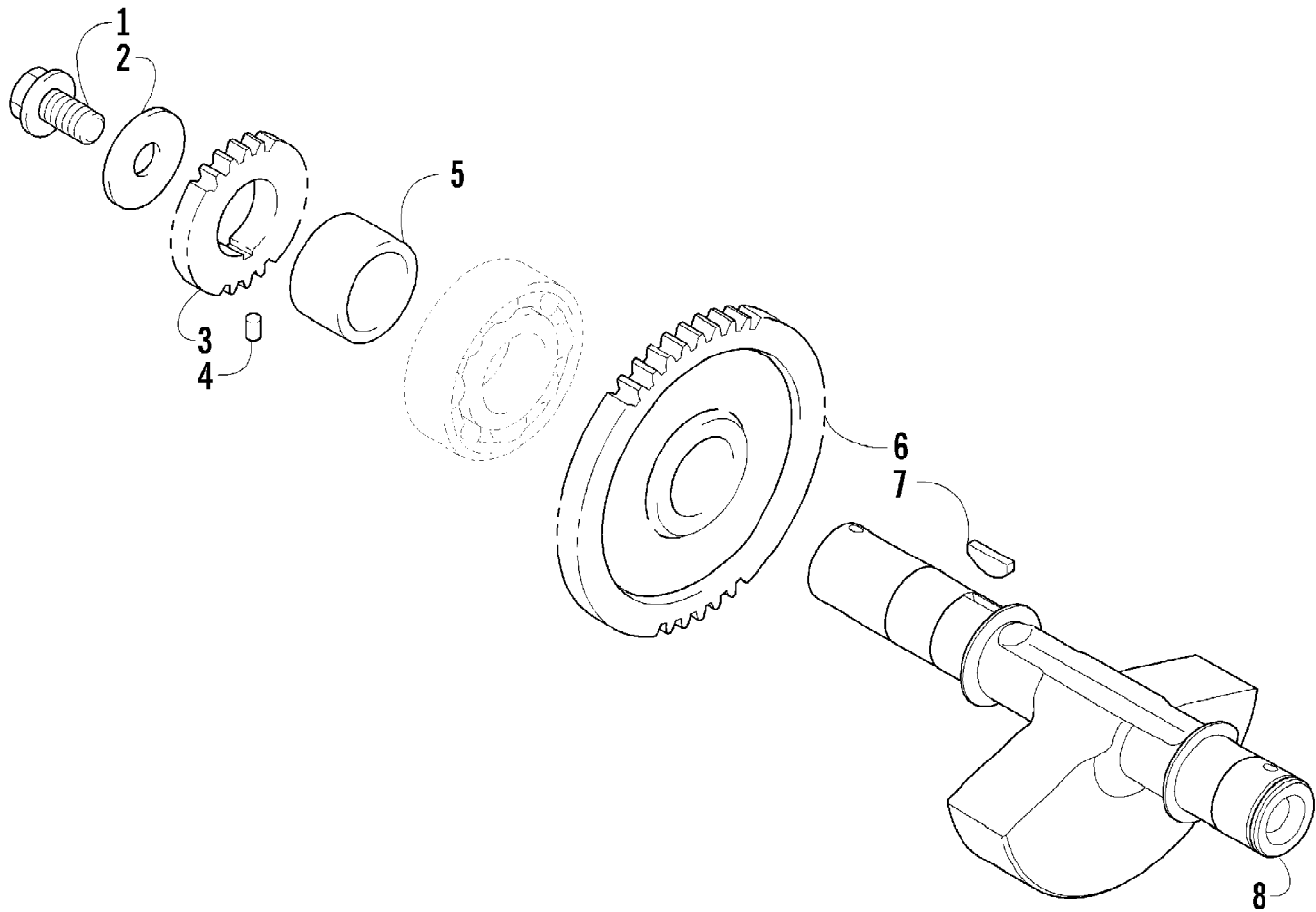
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 20 of 97
COOLING ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P180)21 of 97
 COOLING ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0413-116	1		Radiator Assembly (inc. 2-14)
2	0413-043	1	S	Radiator
3	0413-007	1		Screen, Radiator
4	0413-002	1	S	Cap, Radiator
5	0423-030	2		Grommet
6	0610-016	AR	/P	Hose - 25 ft
7	0413-122	1		Cooler, Oil
8	0413-124	1		Shroud, Fan
9	0413-123	1	/P	Fan, Cooling
10	8475-512	12		Screw, Machine
11	0423-351	1		Clamp, Wire
12	0123-397	1		Clamp, Cable
13	0413-045	1		Sender, Temperature - Coolant
14	0423-390	1	S	O-Ring
15	0423-484	2		Screw, Shoulder
16	0623-038	2		Nut w/Washer
17	0423-028	2		Bushing, Stem
18	0410-002	1		Hose, Coolant - Upper
19	0410-022	1		Hose, Coolant - Crossover
20	0410-041	1		Hose, Coolant - Lower
21	0423-496	6		Clamp, Hose
22	0123-788	2	/P	Cable Tie
23	0410-100	AR	S	Hose, Oil Cooler
24	0423-632	4		Clamp, Hose

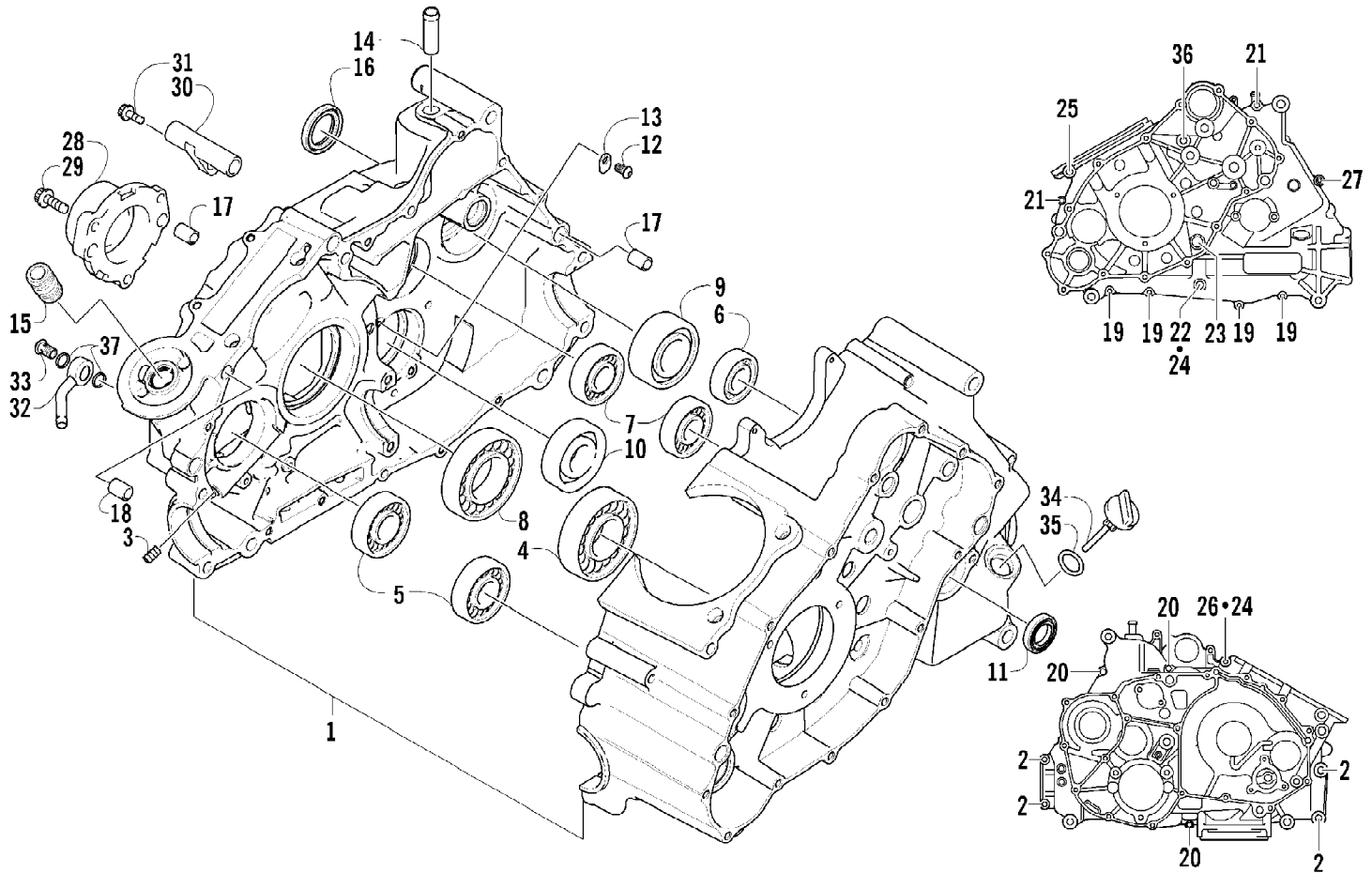
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) 22 of 97
CRANK BALANCER ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)23 of 97
CRANK BALANCER ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0826-033	1		Screw, Cap
2	0828-003	1		Washer
3	0811-003	1		Gear, Oil Pump Drive
4	0829-007	1		Dowel, Solid
5	0811-004	1		Spacer
6	0811-002	1		Gear, Driven
7	0829-006	1		Key - Crank Balancer Shaft
8	0811-017	1		Balancer, Crank

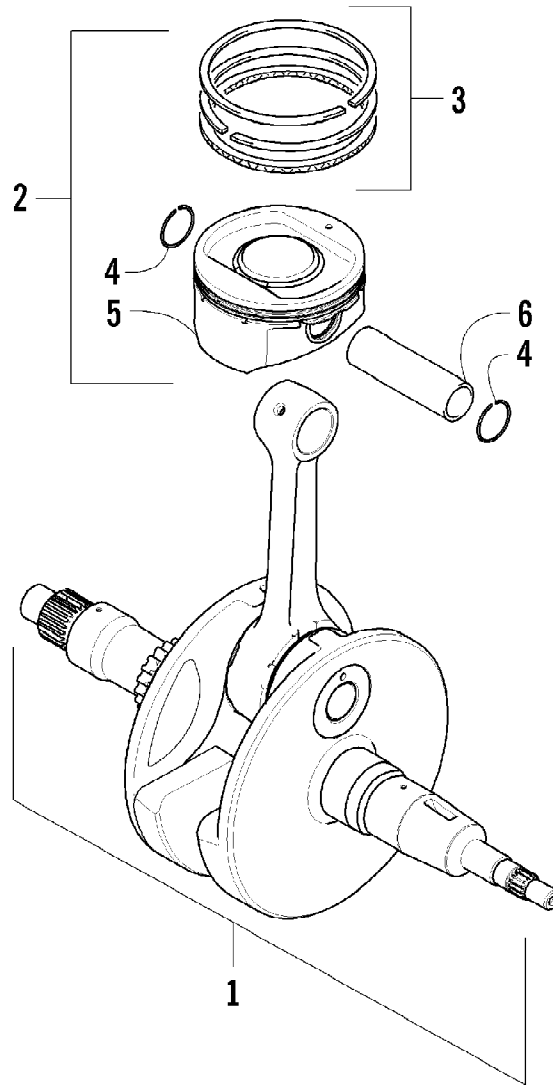
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 24 of 97
CRANKCASE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P25)
CRANKCASE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0801-056	1	S	Crankcase Assembly (inc. 2-16)
2	8412-850	4		Screw, Cap
3	0801-002	2		Plug
4	0832-003	1	S	Bearing
5	0832-005	2	S	Bearing
6	0832-013	1	S	Bearing
7	0832-014	2	S	Bearing
8	0832-002	1	S	Bearing
9	0832-012	1	S	Bearing
10	0832-015	1	S/P	Bearing
11	0822-052	1		Seal, Countershaft
12	0826-100	2		Screw, Cap
13	0822-010	2	/P	Retainer, Bearing
14	0801-028	1		Pipe, Breather
15	0812-008	1		Union, Oil Filter
16	0830-035	1		Seal, Driveshaft
17	0829-002	5		Pin, Dowel
18	0829-003	1		Pin, Dowel
19	8468-645	4		Screw, Machine
20	8468-655	3		Screw, Machine
21	8468-675	2		Screw, Machine
22	8412-860	1		Screw, Cap
23	0826-017	1		Screw, Cap
24	0830-008	2		Gasket
25	0826-019	1		Screw, Cap
26	0826-018	1		Screw, Cap
27	8468-695	1		Screw, Machine
28	0801-006	1		Housing, Secondary Shaft Bearing
29	0826-105	3		Bolt
30	0801-069	1		Pipe, Breather
31	0826-038	1		Bolt, Breather Pipe
32	0812-028	2		Fitting, Oil Cooler
33	0812-025	2		Bolt, Oil Cooler Fitting
34	0801-005	1		Stick, Oil Level
35	0830-010	1		O-Ring, Oil Level Stick
36	8468-680	1		Screw, Machine
37	0812-026	4		Gasket

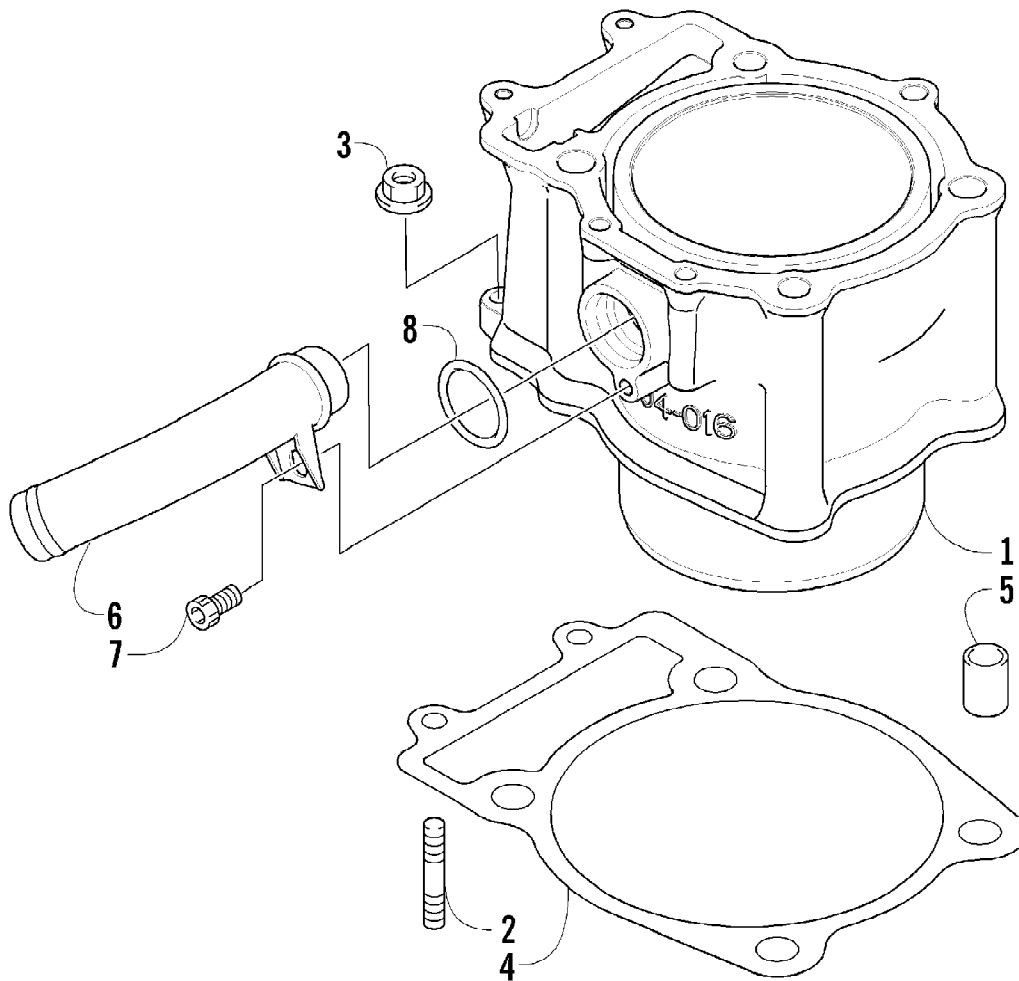
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)26 of 97
CRANKSHAFT ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)27 of 97
CRANKSHAFT ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0805-032	1	S	Crankshaft Assembly
2	0805-035	1	/P	Piston Set (inc. 3-6)
3	0805-011	1		Ring, Piston - Set
4	0831-001	2		Circlip, Piston Pin
5	0805-010	1	S	Piston
6	0805-012	1		Pin, Piston

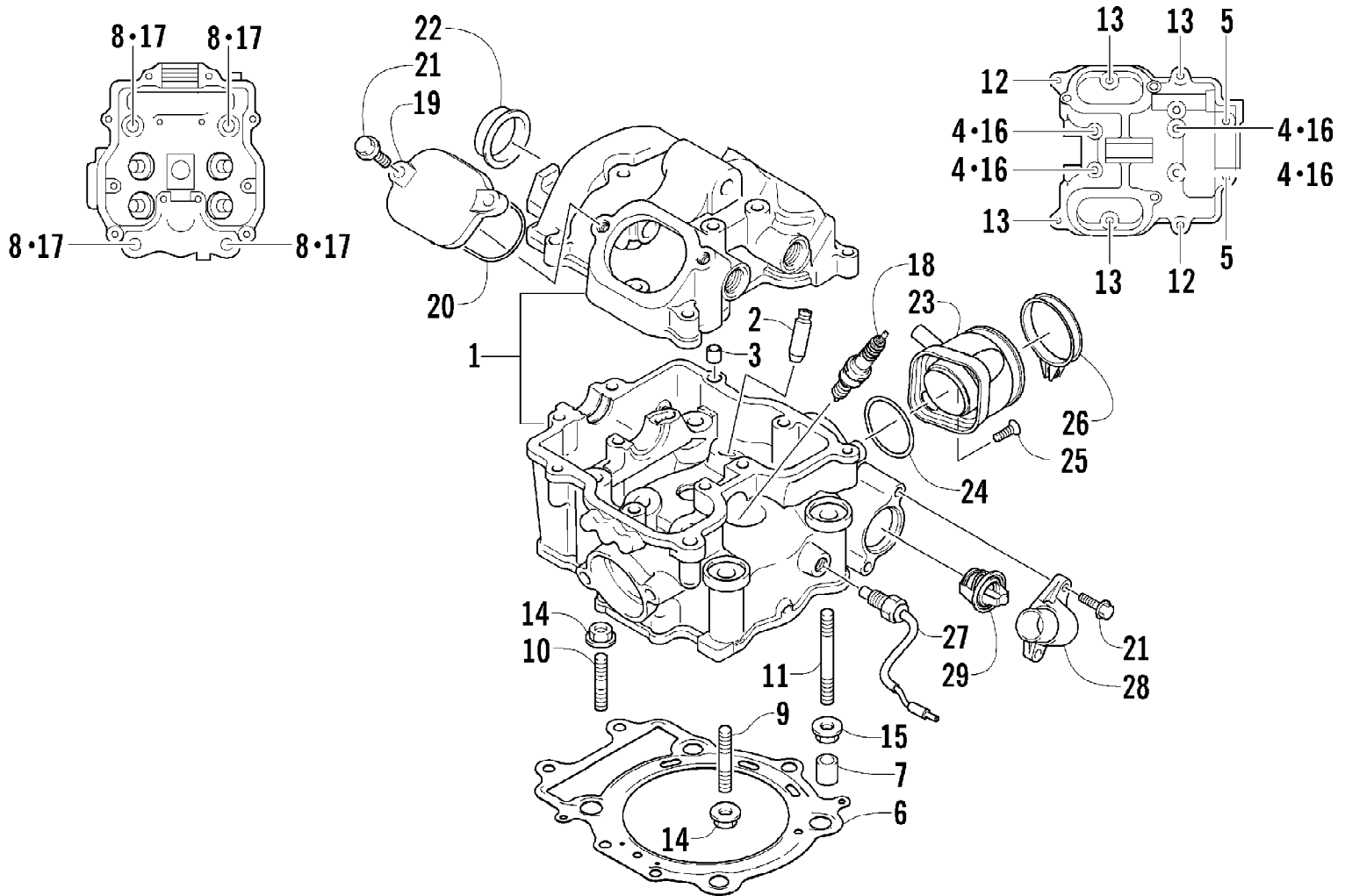
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) 28 of 97
CYLINDER ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) 29 of 97
CYLINDER ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0804-016	1		Cylinder
2	0827-002	2		Bolt, Stud
3	8424-604	2		Nut
4	0830-084	1		Gasket, Base
5	0829-002	2		Pin, Dowel
6	0804-002	1	S	Union, Water Hose
7	8468-612	1		Screw, Machine
8	0830-007	1		O-Ring

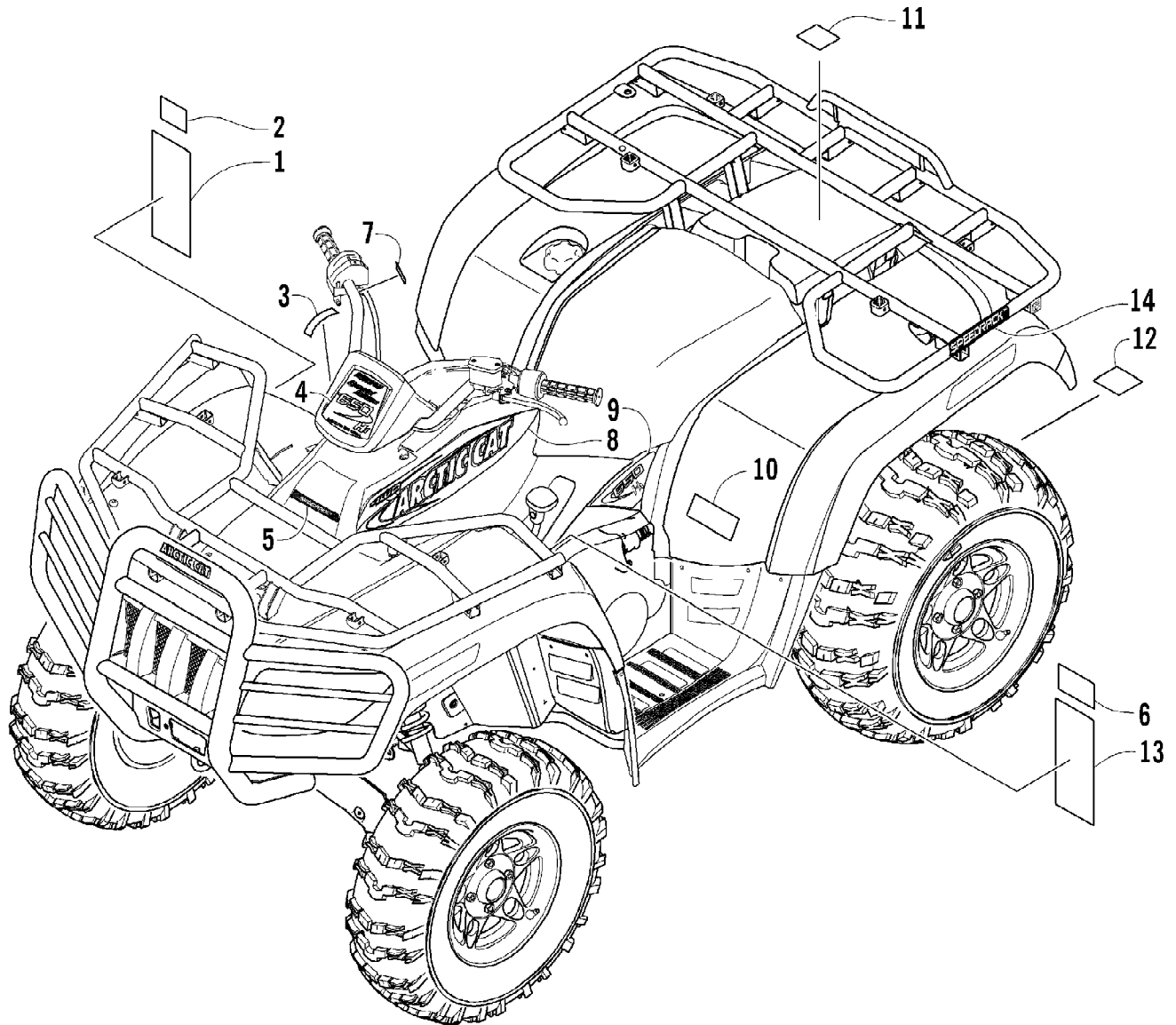
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 30 of 97
CYLINDER HEAD ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150)31 of 97
CYLINDER HEAD ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0808-047	1	F	Head, Cylinder - Assembly (inc. 2-4)
2	0	4	F	Guide, Valve
3	0829-001	2	S	Dowel, Sleeve
4	0826-001	4		Screw, Cap
5	0826-002	2		Screw, Cap
6	0830-124	1	S	Gasket, Cylinder Head
7	0829-002	2		Pin, Dowel
8	0808-104	4	S	Screw, Cap
9	0827-030	2		Bolt, Stud
10	0827-002	2		Bolt, Stud
11	0827-031	1		Bolt, Stud
12	0826-005	2		Screw, Cap
13	0826-006	4		Screw, Cap
14	8424-604	4		Nut
15	8424-804	1		Nut
16	0830-107	4		Gasket - Seal, Fastener
17	0830-003	4	S	Washer, Crush
18	0217-727	1	S	Spark Plug (RG6YC)
19	0808-003	2		Cap, Inspection
20	0830-004	2	S	O-Ring
21	0826-007	6		Screw, Cap
22	0808-077	1		Plug, Cylinder Head
23	0570-101	1		Pipe, Intake - Assembly
24	0830-090	1		O-Ring
25	0826-008	2		Screw, Machine
26	1623-180	1		Clamp, Intercooler
27	0808-007	1		Switch, Water Temperature - Assembly
28	0808-008	1		Cover, Thermostat
29	0808-078	1		Thermostat

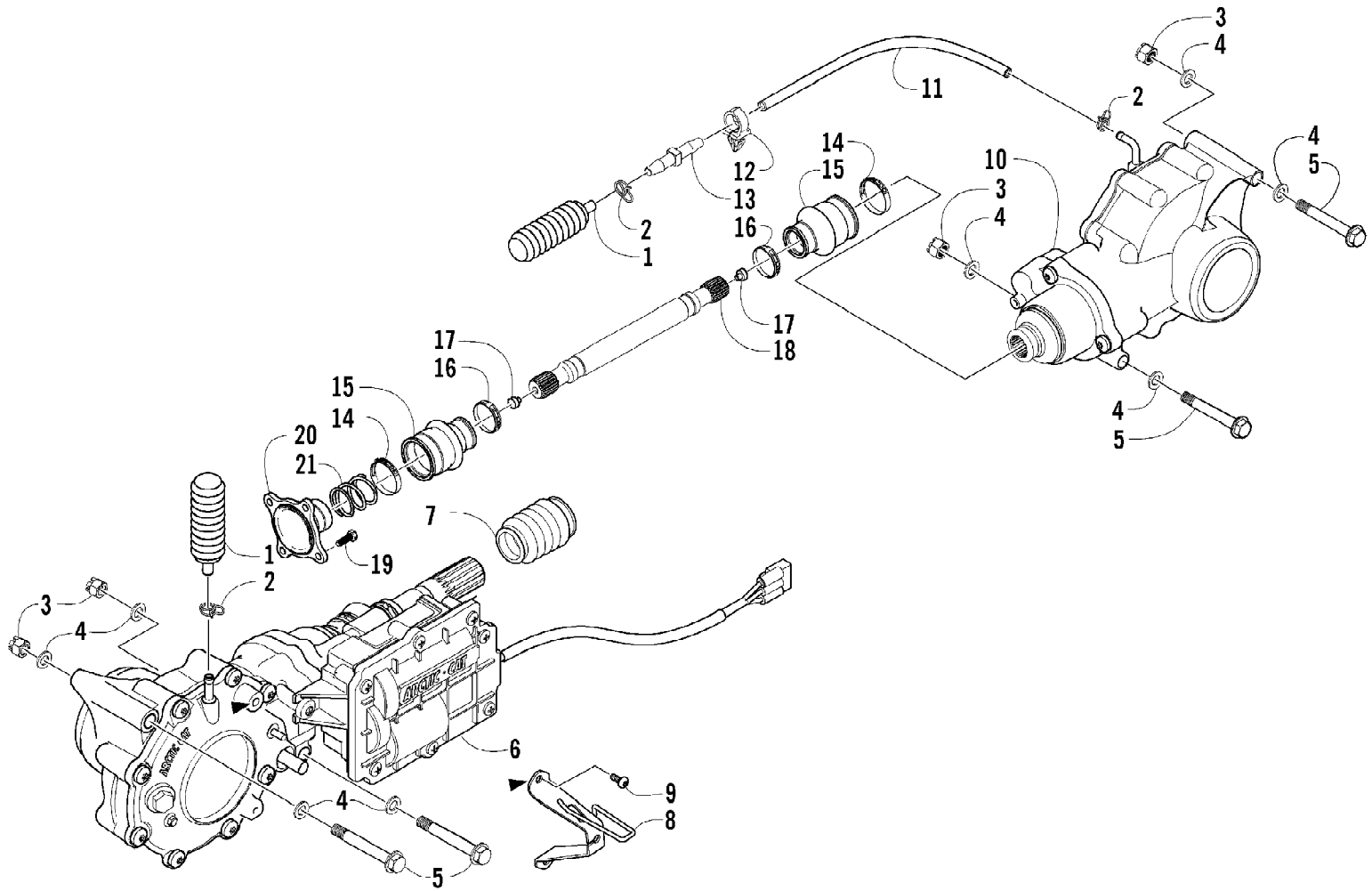
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 32 of 97
DECALS



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)33 of 97
 DECALS

Ref #	Part Number	Qty	S/P/F	Description
1	1411-250	1	F	Decal, Warning - Reverse/Pre-Ride
2	0411-835	1		Decal, Warning - Turn/Hill
3	0411-426	1		Decal, Warning - Clutch Cover
4	1411-270	1		Decal, Instrument Pod
5	1411-050	1	/P	Decal, Crest
6	0411-401	1	F	Decal, Warning - Age
7	0411-966	1		Decal, Warning - Differential Lock
8	1411-138	1		Decal, Side - Upper Right
8	1411-139	1		Decal, Side - Upper Left
9	1411-140	1		Decal, Side - Lower Right
9	1411-141	1		Decal, Side - Lower Left
10	0411-430	1		Decal, Warning - Tire Pressure
11	0411-435	1		Decal, Warning - Passenger
12	1411-077	1		Decal, Warning - Towing
13	0411-218	1	F	Decal, Warning - General
14	0411-965	2		Decal, "Speedrack"

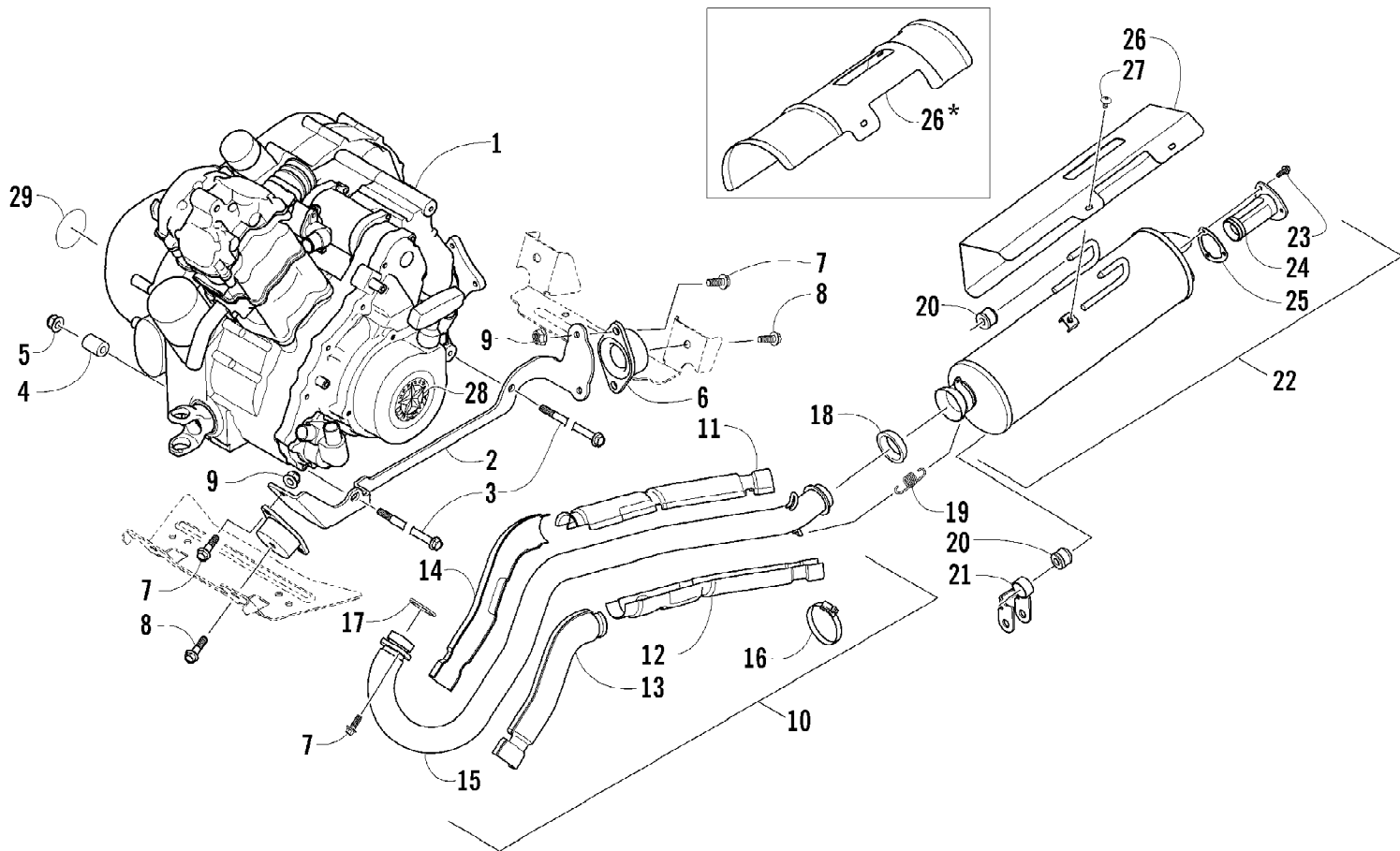
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 34 of 97
DRIVE TRAIN ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)35 of 97
 DRIVE TRAIN ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0402-147	2	S	Bladder, Gearcase
2	0423-315	4		Clamp, Fitting
3	8428-002	4		Nut, Lock
4	0423-426	8		Washer
5	0423-404	4		Screw, Cap
6	0502-754	1		Gearcase, Front
7	0402-966	1		Boot, Shaft
8	0502-500	1		Plate, Cable
9	0423-396	2		Screw, Self-Tapping
10	0502-820	1	/P	Gearcase, Rear
11	0410-049	AR		Hose, Vent
12	0623-101	1		Clip, Routing - Snap-In
13	0470-462	1		Fitting, Vent
14	0423-393	2		Clamp, Boot
15	0402-985	2	/P	Boot
16	0423-411	2		Clamp, Boot
17	0673-618	2	/P	Bumper, Propeller Shaft
18	1402-233	1		Shaft, Propeller
19	8408-820	4	/P	Screw, Cap
20	0402-950	1		Flange, Output
21	1402-026	1		Spring

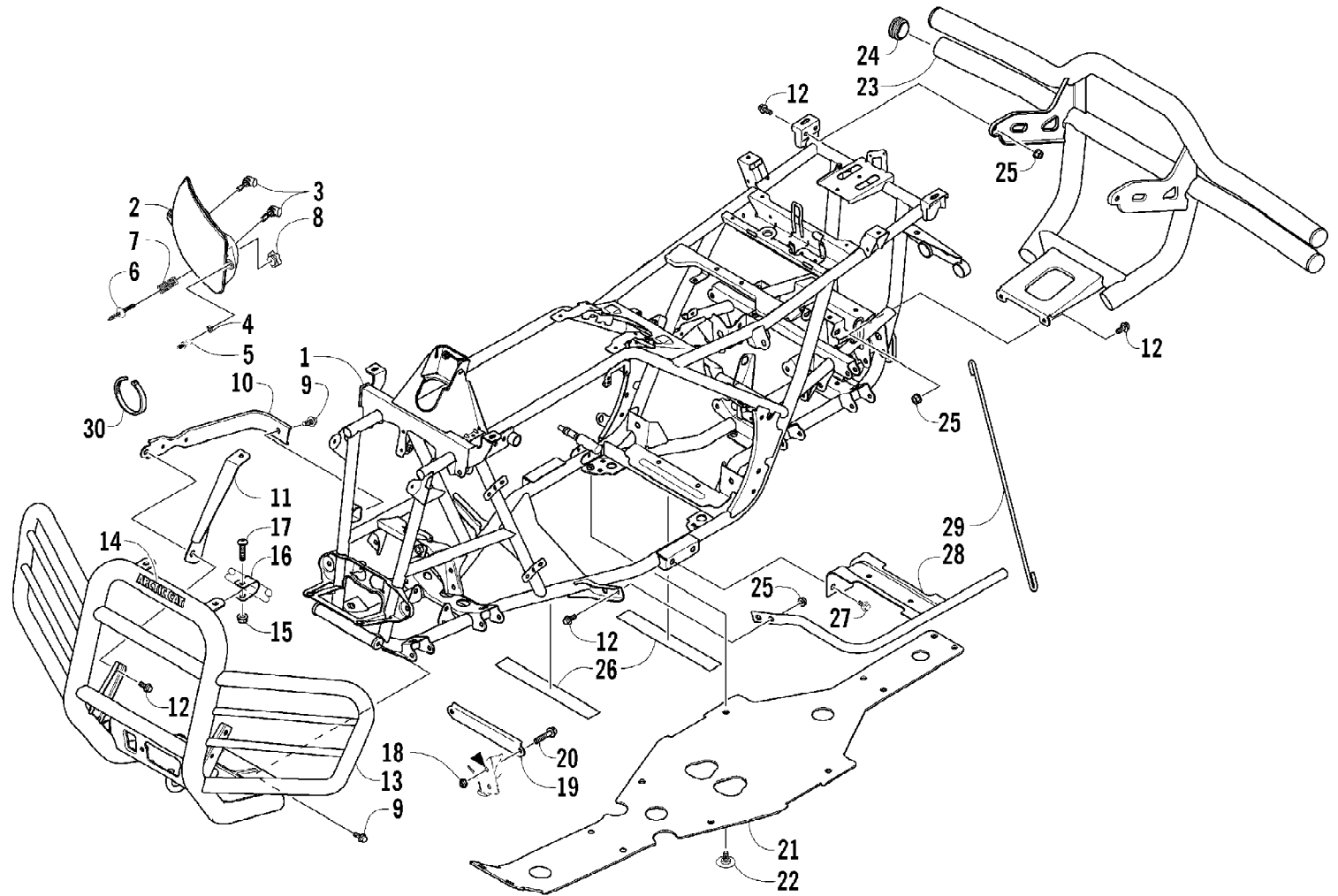
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 36 of 97
ENGINE AND EXHAUST



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)37 of 97
ENGINE AND EXHAUST

Ref #	Part Number	Qty	S/P/F	Description
1	0800-016	1	S	Engine
2	1506-740	1		Bracket, Engine - Right
2	1506-741	1		Bracket, Engine - Left
3	0423-405	2		Screw, Cap
4	0423-042	2	S	Spacer
5	8428-002	2		Nut, Lock
6	2406-065	4		Mount, Rubber - Engine
7	8408-820	10	/P	Screw, Cap
8	8408-012	4		Screw, Cap
9	8432-802	8		Nut
10	0512-275	1	S	Pipe, Exhaust - Assembly (inc. 11-16)
10	0512-345	1	/P/F	Pipe, Exhaust - Assembly (inc. 11-16)
11	0412-350	1		Shield, Exhaust Pipe - Outer - Rear
12	0412-339	1		Shield, Exhaust Pipe - Inner - Rear
13	0412-349	1		Shield, Exhaust Pipe - Inner - Front
14	0412-348	1		Shield, Exhaust Pipe - Outer - Front
15	0512-274	1		Pipe, Exhaust
15	0512-344	1	F	Pipe, Exhaust
16	0423-317	3	/P	Clamp
17	0412-338	1	/P	Gasket, Exhaust Pipe
18	0412-256	1	S	Seal, Exhaust
19	0612-668	2	/P	Spring, Extension
20	0412-215	3	S	Bushing, Exhaust Pipe
21	1506-732	1		Channel, Muffler Support
22	0512-289	1	S	Muffler - Assembly (inc. 23-25)
22	0512-355	1	/P/F	Muffler - Assembly (inc. 23-25)
23	8408-616	3		Screw, Cap
24	0512-219	1	/P	Arrester, Spark - Assembly
25	0412-313	1		Gasket, Spark Arrester
26	0412-329	1	S	Cover, Muffler
26	0412-373	1	/P/F	Cover, Muffler
27	8477-610	4		Screw, Machine
27	8477-610	3	F	Screw, Machine
28	1411-176	1		Decal - "Duramatic"
29	1411-177	1		Decal - "USA"

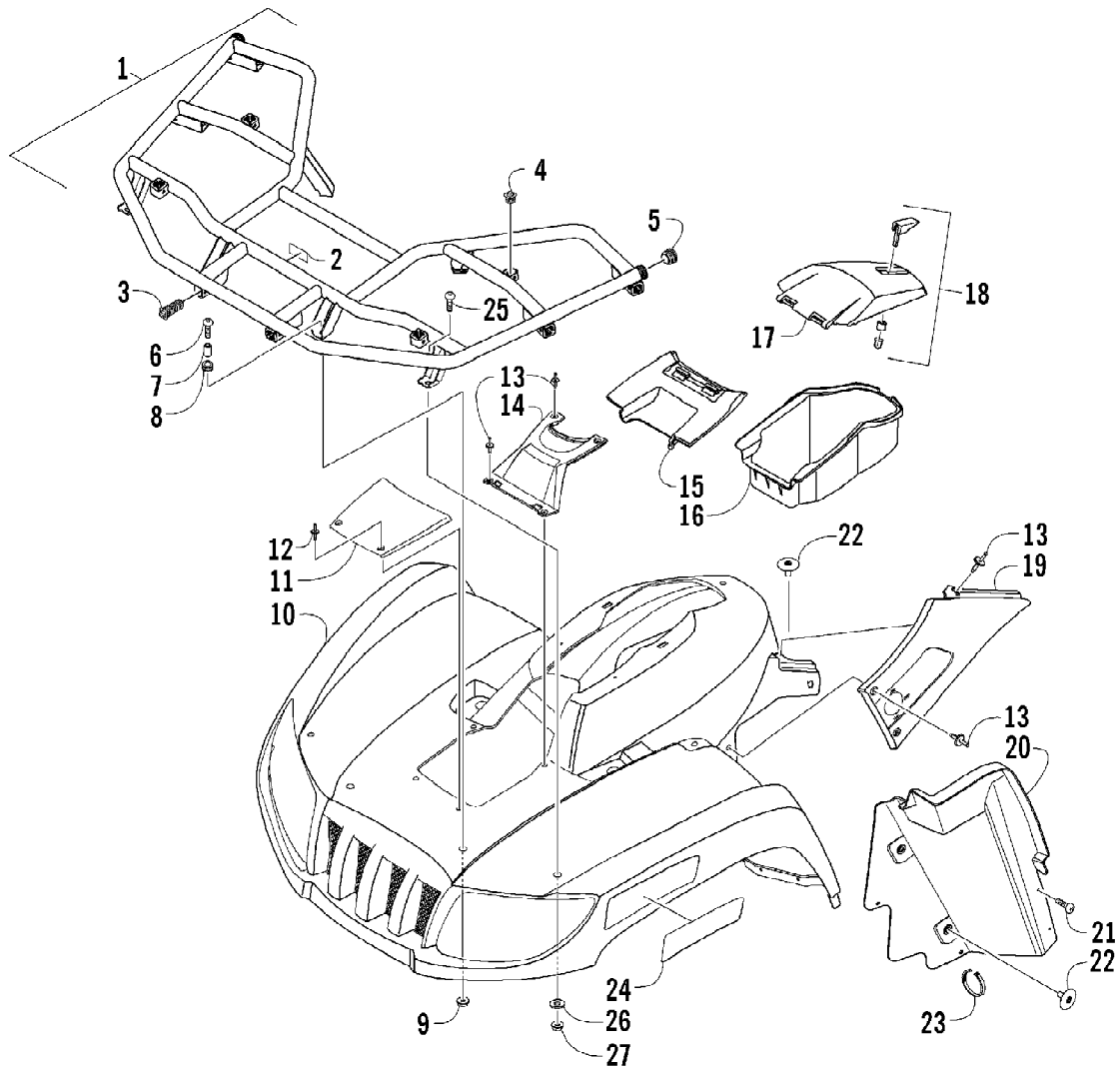
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 38 of 97
FRAME AND RELATED PARTS



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 39 of 97
 FRAME AND RELATED PARTS

Ref #	Part Number	Qty	S/P/F	Description
1	1506-756	1		Frame, Main
2	0509-016	1		Headlight Assembly - Right (inc. 3-4)
2	0509-018	1		Headlight Assembly - Left (inc. 3-4)
3	0409-055	4		Bulb, Headlight
4	0423-452	4		Socket, Mounting
5	0423-515	4		Stud, Mounting - Headlight
6	0423-514	2		Stud, Adjuster - Headlight
7	0423-522	2		Spring, Adjuster
8	0423-513	2		Knob, Adjuster
9	8409-020	4	/P	Screw, Cap
10	1506-725	2		Channel, Bumper Mounting
11	1506-562	1		Bracket, Mounting - Bumper - Right
11	1506-563	1		Bracket, Mounting - Bumper - Left
12	8408-816	10		Screw, Cap
13	1506-398	1	/P	Bumper, Front
14	0411-501	1		Decal, "Arctic Cat" - White
15	8424-805	2		Nut, Lock
16	1506-667	2		Strap, Bumper Support
17	8468-845	2		Screw, Machine
18	8428-002	2		Nut, Lock
19	1506-429	1	S	Brace, A-Arm
20	8409-025	2		Screw, Cap
21	2406-029	1		Panel, Belly
22	0423-101	14		Screw, Body
23	1506-615	1		Bumper, Rear (inc. 24)
24	0406-130	4		Cap, Bumper
25	8424-802	8		Nut, Flange
26	0406-289	2		Pad, Battery Top
27	8409-016	4		Screw, Cap
28	1506-380	1		Footrest - Right
28	1506-379	1		Footrest - Left
29	1406-298	2		Rod, Support
30	0623-751	1		Cable Tie

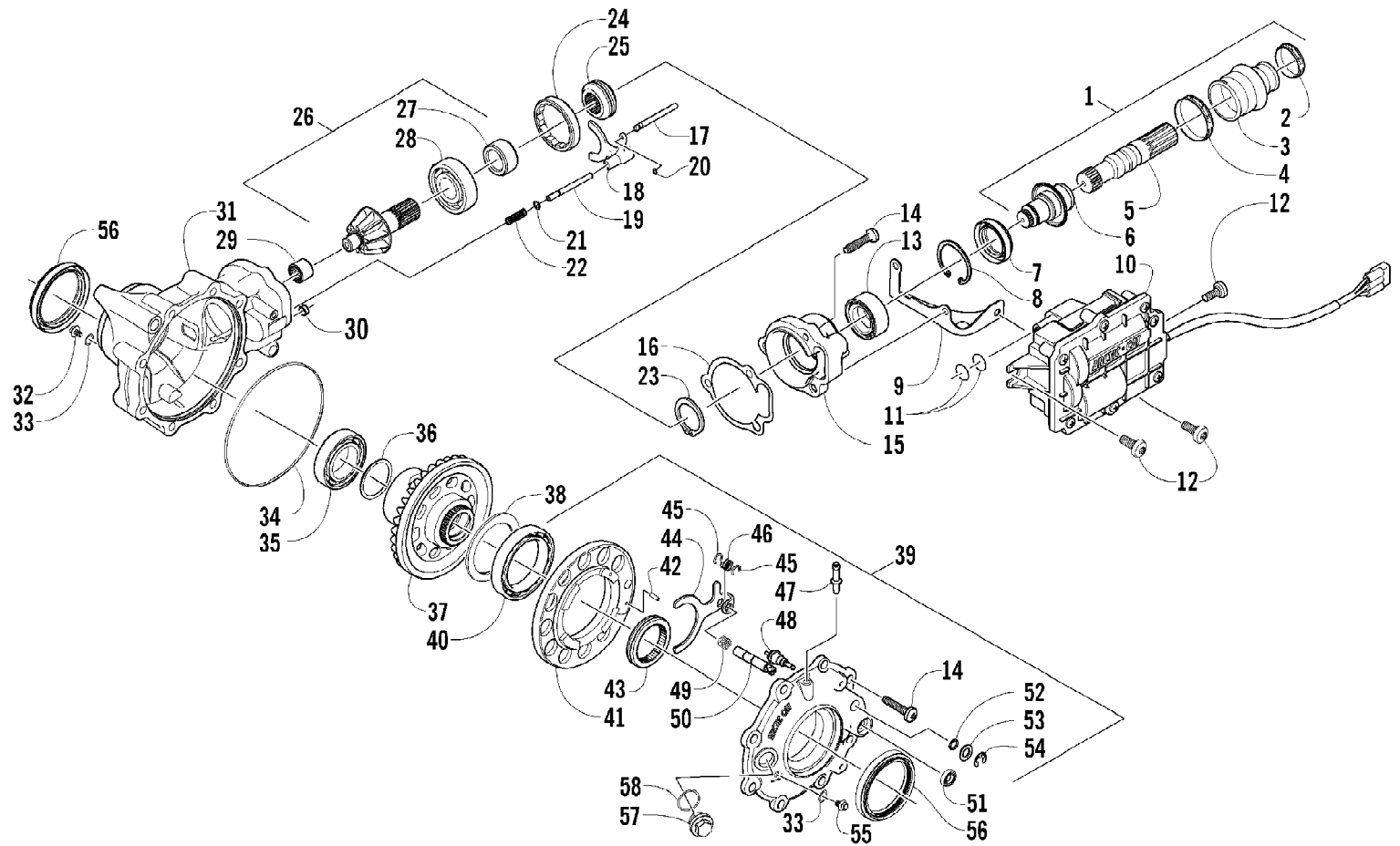
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 40 of 97
FRONT BODY PANEL ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 41 of 97
 FRONT BODY PANEL ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	1506-883	1		Rack - Front - Assembly (inc. 2-5)
2	0411-576	1		Decal, Warning - Front Rack Load
3	2406-014	6		Bushing, Rack
4	0441-592	4	/P	Bushing, Rack
5	1441-049	2		Plug, Rack
6	0423-362	4		Screw, Machine
7	0423-463	4		Spacer
8	0423-465	4		Grommet
9	8432-802	4		Nut, Lock
10	2406-108	1	S	Panel, Fender - Front
11	1406-358	1		Cover, Access
12	0423-535	2		Rivet, Reinstallable
13	0623-362	10		Rivet, Reinstallable
14	1406-484	1		Cover, Steering Post
15	0470-513	1		Cover, Storage Box
16	1406-573	1		Box, Storage
17	0470-514	1		Lid, Storage Box
18	1406-599	1		Latch, Storage Box
19	1406-313	1		Panel, Side - Right
19	1406-314	1		Panel, Side - Left
20	1406-354	1		Panel, Splash - Right
20	1406-355	1	S	Panel, Splash - Left
21	0623-309	4		Screw, Self-Tapping
22	0423-101	5		Screw, Body
23	0123-788	AR	/P	Cable Tie - 7.5 in.
24	0411-818	1		Decal, Reflector - Front - Right
24	0411-819	1		Decal, Reflector - Front - Left
25	0423-355	2		Screw, Shoulder
26	8050-222	2	/P	Washer
27	8424-602	2	/P	Nut, Lock

2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 42 of 97
FRONT DRIVE GEARCASE ASSEMBLY



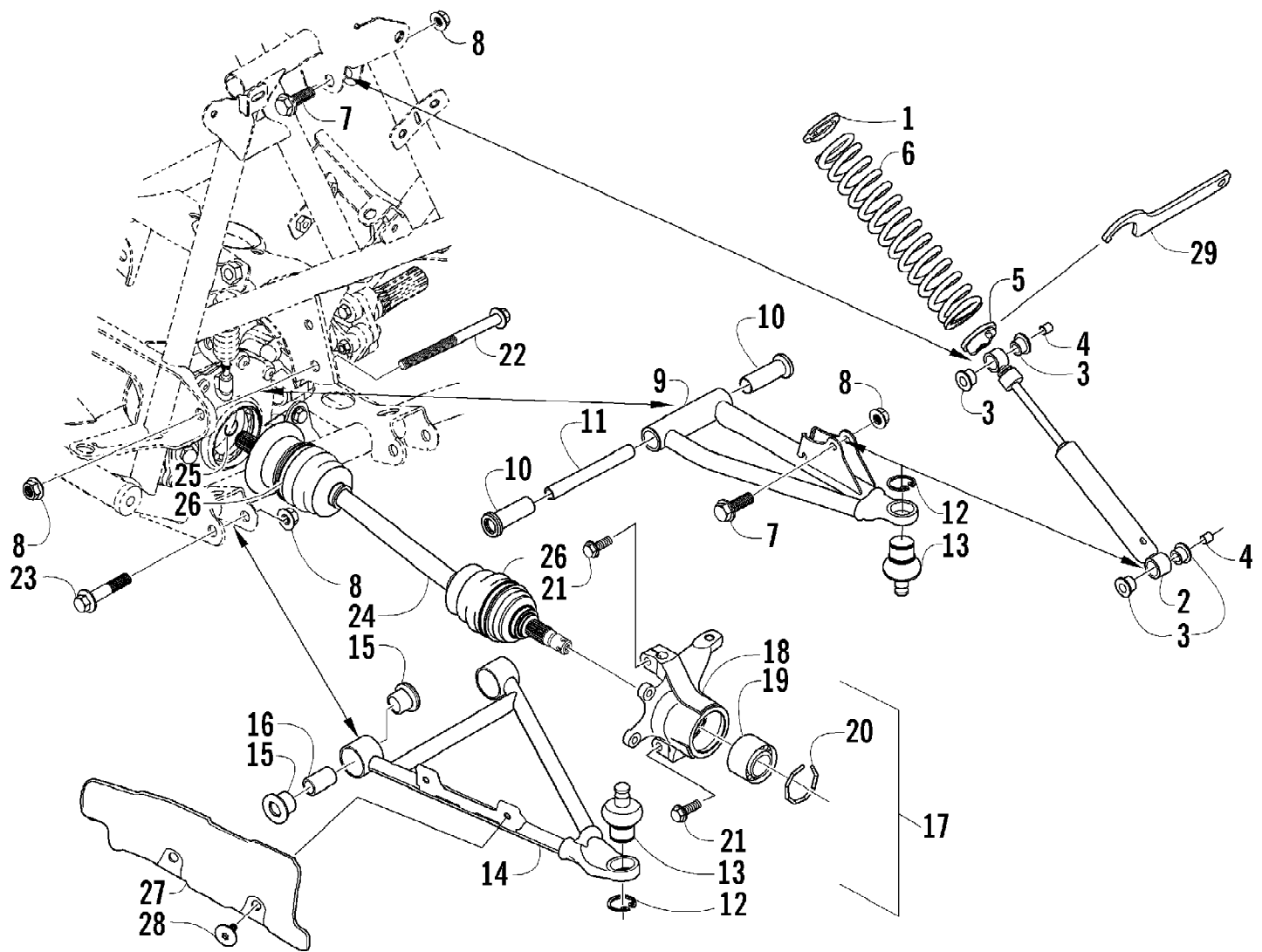
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P30) 43 of 97
FRONT DRIVE GEARCASE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
	0502-754	1		Front Drive Gearcase Assembly
1	0502-385	1		Shaft, Propeller - Assembly (inc. 2-6)
2	0423-411	1		Clamp, Boot
3	0402-985	1	/P	Boot, Propeller Shaft
4	0423-393	1		Clamp, Boot
5	1402-045	1		Shaft, Output
6	0502-407	1	S	Shaft, Input
7	1402-011	1		Seal
8	0423-423	1		Ring, Retaining
9	0502-347	1		Bracket, Actuator
10	0502-579	1		Actuator (inc. one No. 11)
11	0423-498	2	S	O-Ring
12	0423-396	3		Screw, Self-Tapping
13	1402-043	1		Bearing
14	0423-118	11		Screw, Self-Tapping
15	0502-528	1	/P	Housing, Pinion
16	0402-947	1		Gasket, Flange
17	0402-997	1		Shaft, Selector
18	0402-998	1		Fork, Selector
19	0402-417	1		Shaft, Shuttle
20	0423-402	1		Ring, Retaining
21	0423-147	1		O-Ring
22	0402-999	1		Spring, Return
23	0423-417	1		Ring, Retaining
24	0402-357	1		Collar, Lock
25	0402-413	1		Coupler, Drive
26	0502-783	1		Gear, Pinion - Assembly - 10T (inc. 27-28)
27	0402-336	1		Collar, Retaining
28	0402-327	1		Bearing
29	0402-328	1		Bearing
30	0402-411	1		Pin, Dowel
31	0502-514	1		Housing, Gearcase
32	1402-210	1	/P	Plug, Magnetic (inc. one No. 33)
33	0423-153	2		O-Ring
34	0423-149	1		O-Ring
35	0402-393	1		Bearing
36	0402-405	AR		Shim
36	0402-406	AR		Shim
36	0402-407	AR		Shim
36	0402-408	AR		Shim
36	0402-409	AR		Shim
37	0502-851	1		Gear, Ring - 36T
38	1402-074	AR		Shim
38	1402-075	AR		Shim
38	1402-076	AR		Shim
38	1402-077	AR		Shim
38	1402-078	AR		Shim
39	0502-434	1		Cover, Gearcase (inc. one No. 33, 40-55, and one No. 56)
40	1402-053	1		Bearing
41	0502-413	1		Flange, Bearing
42	1402-079	1		Pin, Parallel

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 FRONT DRIVE GEARCASE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
43	1402-042	1		Collar, Sliding
44	1402-054	1		Fork
45	1402-058	2		Ring, Retaining
46	1402-057	1		Spring
47	1402-104	1		Fitting
48	0402-419	1		Switch, Indicator
49	1402-063	1		Spring
50	1402-055	1		Shaft, Lock
51	1402-056	1		Seal
52	0423-133	1		O-Ring
53	0423-132	1		Washer
54	0423-424	1		Ring, Retaining
55	1402-211	1		Plug, Oil Level (inc. one No. 33)
56	0402-394	2	S	Seal
57	0402-333	1	/P	Plug, Fill (inc. 58)
58	0423-154	1		O-Ring

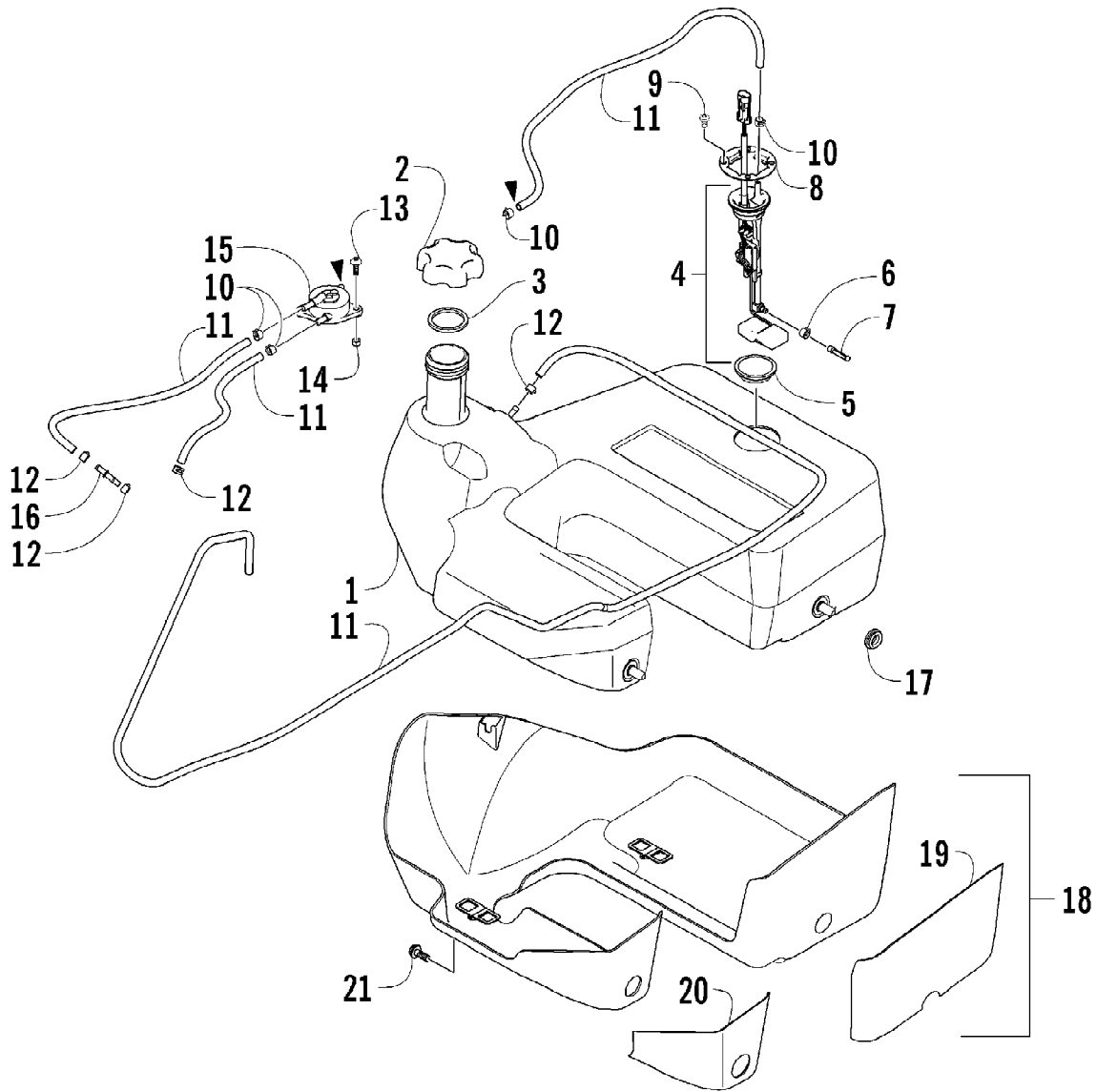
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 45 of 97
FRONT SUSPENSION ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 46 of 97
 FRONT SUSPENSION ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	1603-889	2	/P	Retainer, Spring
2	0403-127	2		Shock Absorber - Front (inc. 3-4)
3	0604-310	8		Bushing, Shock Absorber
4	0403-028	4		Sleeve, Shock
5	0403-102	2		Cam, Spring Adjuster
6	0403-145	2	/P	Spring, Shock Absorber
7	8409-040	4		Screw, Cap
8	8428-002	10		Nut, Lock
9	0503-196	1	S	A-Arm, Upper Right (inc. 10-13)
9	0503-197	1		A-Arm, Upper Left (inc. 10-13)
10	0403-081	4	S	Bushing
11	0403-080	2		Collar
12	0423-009	4	/P	Clip, Ball Joint
13	0405-115	4	/P	Ball Joint - Front
14	0503-220	1		A-Arm, Lower Right (inc. 12-13 and 15-16)
14	0503-221	1		A-Arm, Lower Left (inc. 12-13 and 15-16)
15	0403-115	8	S	Bushing
16	0403-114	4	S	Collar
17	0505-460	1		Knuckle - Assembly - Right (inc. 18-20)
17	0505-461	1	S	Knuckle - Assembly - Left (inc. 18-20)
18	0	1	F	Knuckle, Steering - Right
18	0	1	F	Knuckle, Steering - Left
19	1402-027	2	S/P	Bearing, Wheel Hub
20	0423-423	2		Ring, Retaining
21	8409-030	4		Screw, Cap
22	0423-334	2		Screw, Cap
23	8409-075	4		Screw, Cap
24	0502-812	1	S	Axle, Drive - Front - Right (inc. 25-26)
24	0502-813	1	S	Axle, Drive - Front - Left (inc. 25-26)
25	1441-109	4	S	Clip, Retaining
26	0436-276	2	S	Repair Kit, Boot - Front Axle
27	1406-034	1		Guard, Boot - Right
27	1406-035	1		Guard, Boot - Left
28	0423-101	4		Screw, Body
29	0441-587	1		Wrench, Spanner

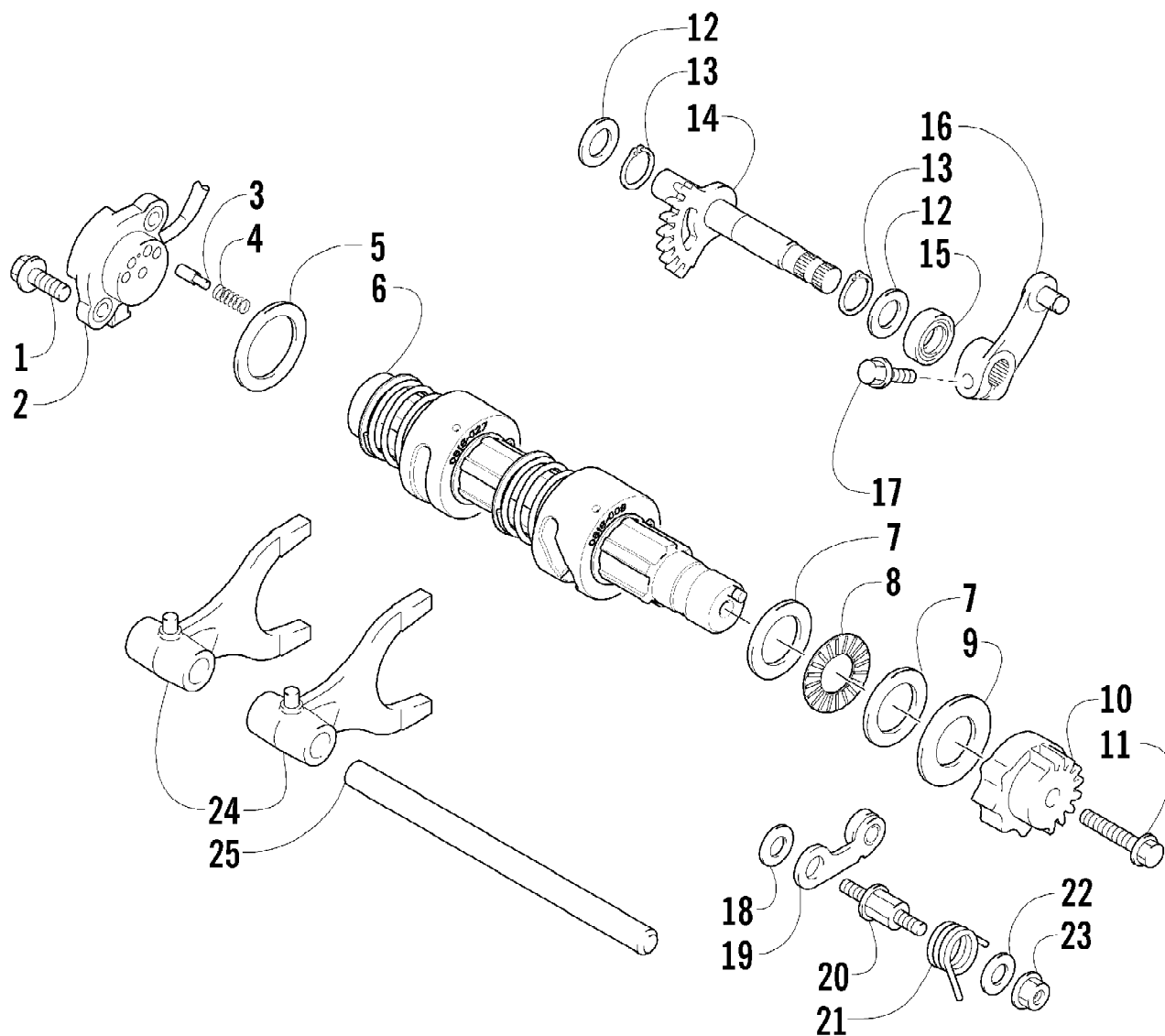
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 47 of 97
GAS TANK ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 48 of 97
 GAS TANK ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0570-102	1	S	Tank, Gas - Assembly (inc. 2-9)
2	0470-438	1	/P	Cap, Gas Tank (inc. 3)
3	0109-733	1	/P	Gasket, Tank Cap
4	0570-112	1		Sensor, Fuel Level (inc. 5-7)
5	0470-521	1		Seal, Fuel Level Sensor
6	0423-603	1		Clamp, Hose
7	0470-475	1		Filter, Fuel
8	0470-546	1	S	Plate, Mounting - Fuel Level Sensor
9	1623-158	4		Screw, Self-Tapping
10	0423-461	4	S	Clamp, Hose
11	0410-070	AR	/P	Hose, Gasline - 25 ft
12	1623-233	4		Clamp, Hose
13	8476-620	2		Screw, Machine
14	0623-038	2		Nut, Lock
15	0470-519	1	S	Pump, Fuel
16	0470-527	1	S	Fitting, Straight
17	0423-460	2		Grommet
18	0570-081	1		Shield, Gas Tank - Assembly (inc. 19-20)
19	0470-499	1		Shield, Heat
20	0470-498	1		Shield, Heat
21	8408-816	2		Screw, Cap

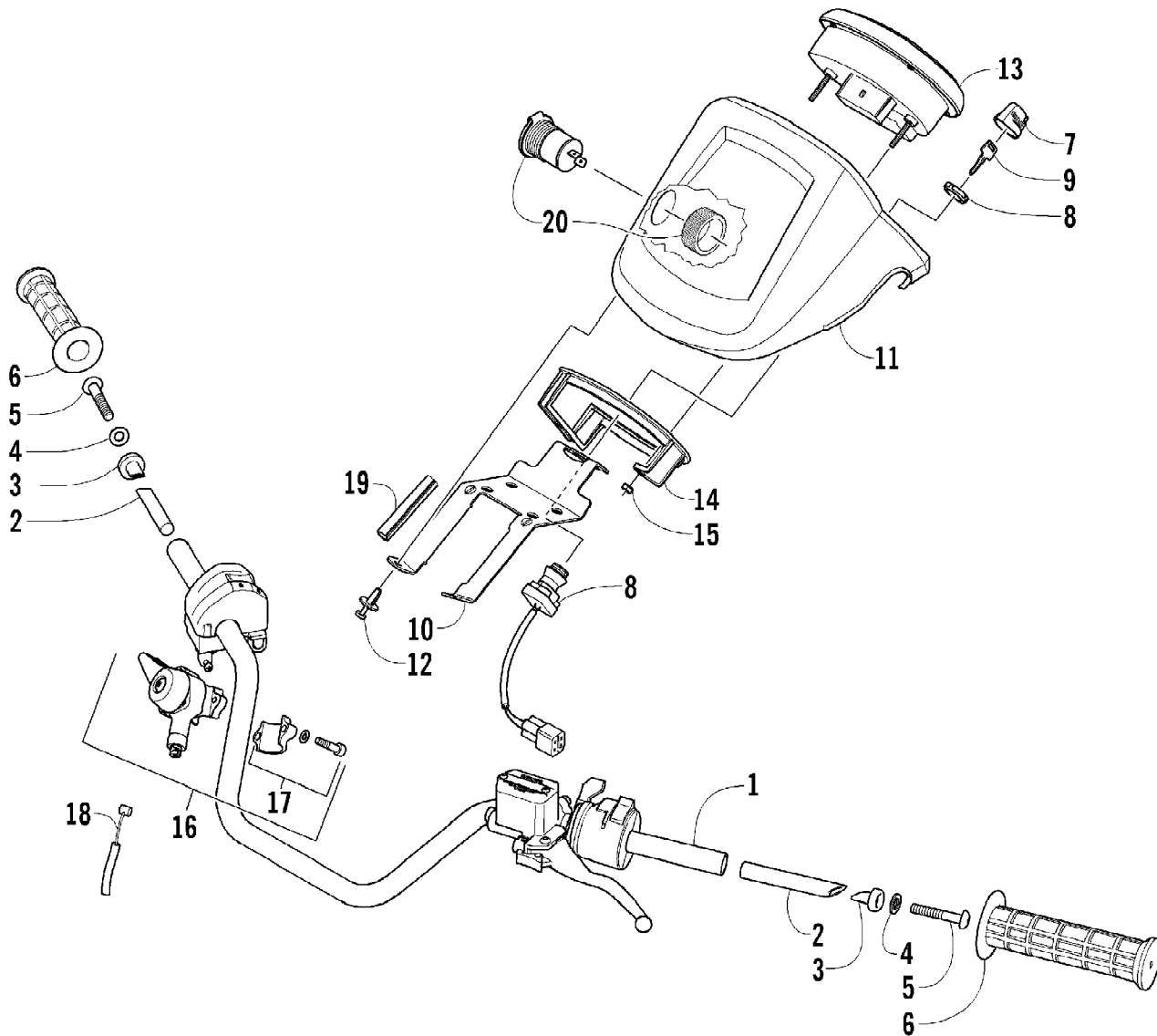
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150) 49 of 97
GEAR SHIFTING ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150)
 GEAR SHIFTING ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	8470-520	2		Screw, Machine
2	0818-049	1	S	Base, Gear Shift - Assembly
3	0818-013	2		Contact
4	0818-017	2		Spring
5	0828-040	1		Washer, Shift Shaft
6	0818-046	1		Shaft, Gear Shift - Assembly
7	0828-067	2		Washer, Shift Shaft
8	0832-034	1	S	Bearing
9	0828-037	1		Washer, Gear Shift Cam Plate
10	0818-005	1	S	Plate, Gear Shift Cam
11	0826-006	1		Bolt, Gear Shift Cam Plate
12	0828-036	2		Washer, Sub-Gear Shift Shaft
13	0831-010	2		Circlip, Sub-Gear Shift Shaft
14	0818-007	1	/P	Shaft, Sub-Gear Shift
15	0830-044	1		Seal, Sub-Gear Shift Shaft
16	0818-014	1		Arm, Select
17	8468-620	1	/P	Screw, Machine
18	0828-038	1		Washer, Cam Stopper
19	0818-002	1		Stopper, Cam
20	0818-004	1		Support, Cam Stopper
21	0818-028	1		Spring, Cam Stopper
22	0828-035	1		Washer, Cam Stopper Spring
23	8424-602	1	/P	Nut, Cam Stopper Spring
24	0818-045	2	S	Fork, Shift
25	0818-006	1		Shaft, Shift Fork

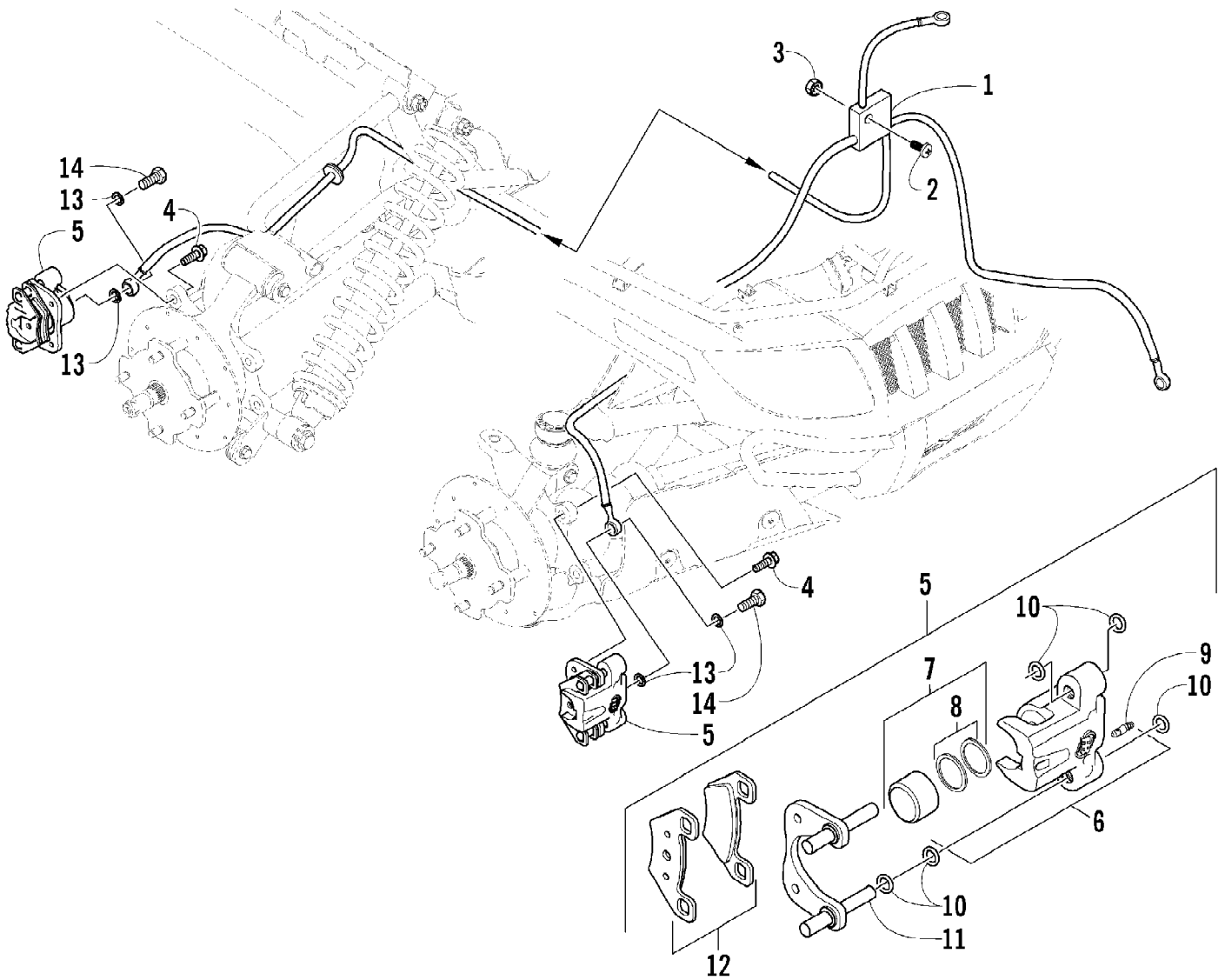
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 51 of 97
HANDLEBAR ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 52 of 97
 HANDLEBAR ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0505-448	1		Tube, Handlebar
2	0405-148	2		Plug, Handlebar
3	0405-149	2		End Cap, Handlebar
4	8050-247	2	/P	Washer
5	8477-845	2		Screw, Machine
6	0405-147	2		Grip, Handlebar
7	0409-013	1		Cover, Key
8	0430-036	1		Switch, Ignition - Assembly (inc. 9)
9	3409-007	1	/P	Key, Ignition - Blank C Series
9	3409-011	1		Key, Ignition - Blank D Series
9	3409-012	1		Key, Ignition - Blank E Series
9	3409-013	1		Key, Ignition - Blank F Series
10	1506-578	1		Bracket, Mounting - Instrument Pod
11	0405-191	1		Instrument Pod
12	0423-535	2		Rivet, Reinstallable
13	0520-002	1		Gauge, Digital
14	0420-065	1	/P	Clamp, Plastic
15	0423-493	1		Nut, Hex
16	0502-527	1		Control, Differential Lock (inc. 17)
17	0502-613	1		Clamp, Differential Lock Control - Kit
18	0487-030	1	S	Cable, Differential Lock
19	0706-371	AR	/P	Trim
20	0641-897	1	/P	Outlet, Accessory - 12V

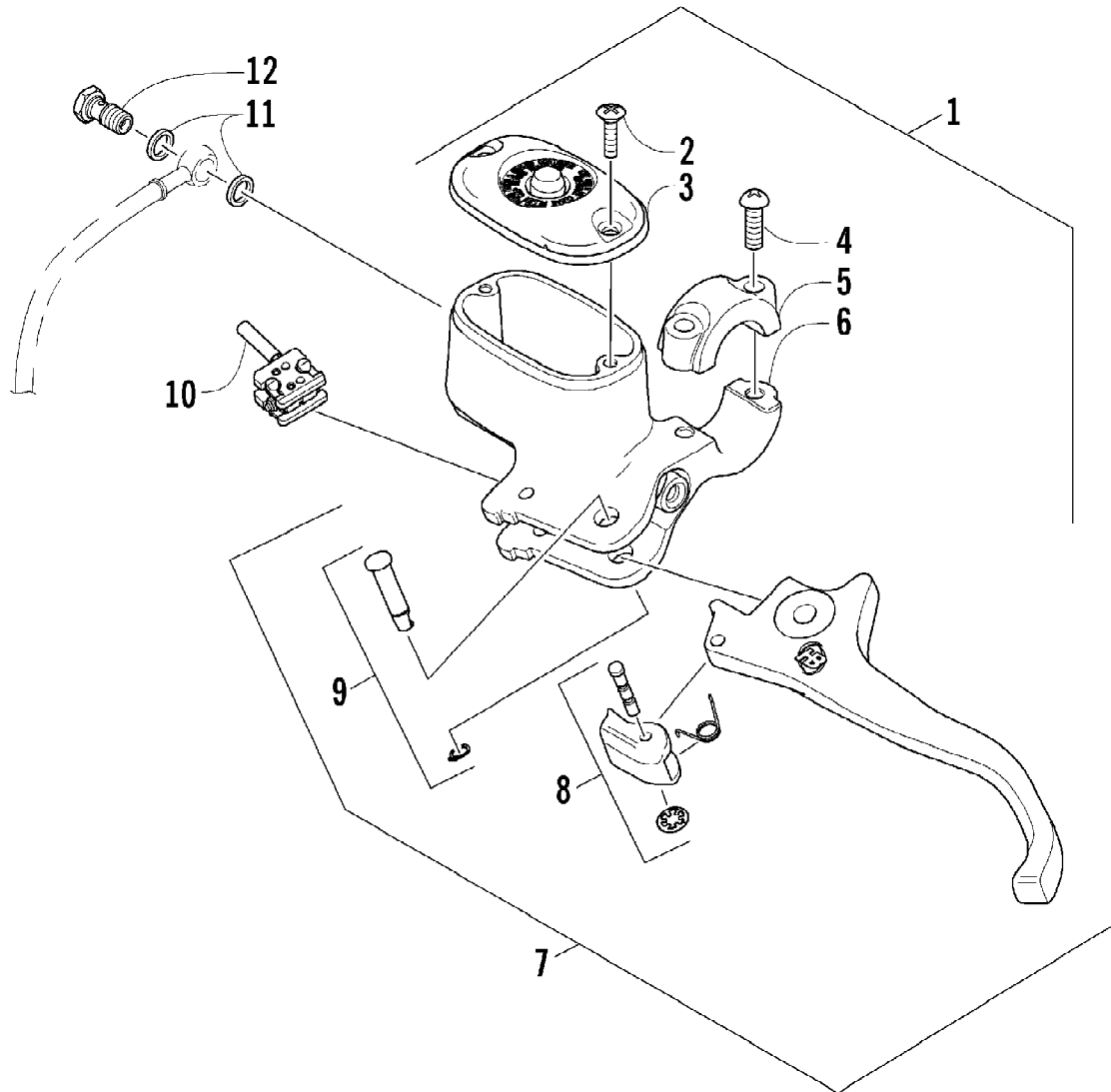
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 53 of 97
HYDRAULIC BRAKE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150) 54 of 97
 HYDRAULIC BRAKE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0502-627	1		Hose, Brake - Assembly
2	8476-625	1		Screw, Cap
3	0623-038	1		Nut w/Washer
4	8408-820	6	/P	Screw, Cap
5	0502-602	1	S	Caliper, Brake - Right Front (inc. 6-12)
5	0502-610	2	S	Caliper, Brake - Left Front and Right Rear (inc. 6-12)
6	0502-603	1	S	Housing, Caliper - Assembly - Right Front (inc. 7-9)
6	0502-611	2	S	Housing, Caliper - Assembly - Left Front and Right Rear (inc. 7-9)
7	0502-606	3		Piston/Seal Set (inc. 8)
8	0502-607	3		Seal Set
9	0502-609	3	/P	Valve, Bleed
10	0502-608	3		O-Ring, Guide - Set
11	0502-605	3		Bracket Assembly
12	0502-604	3	S	Pad, Brake - Set
13	0423-178	6		Washer, Crush
14	0423-413	3		Bolt, Banjo-Fitting

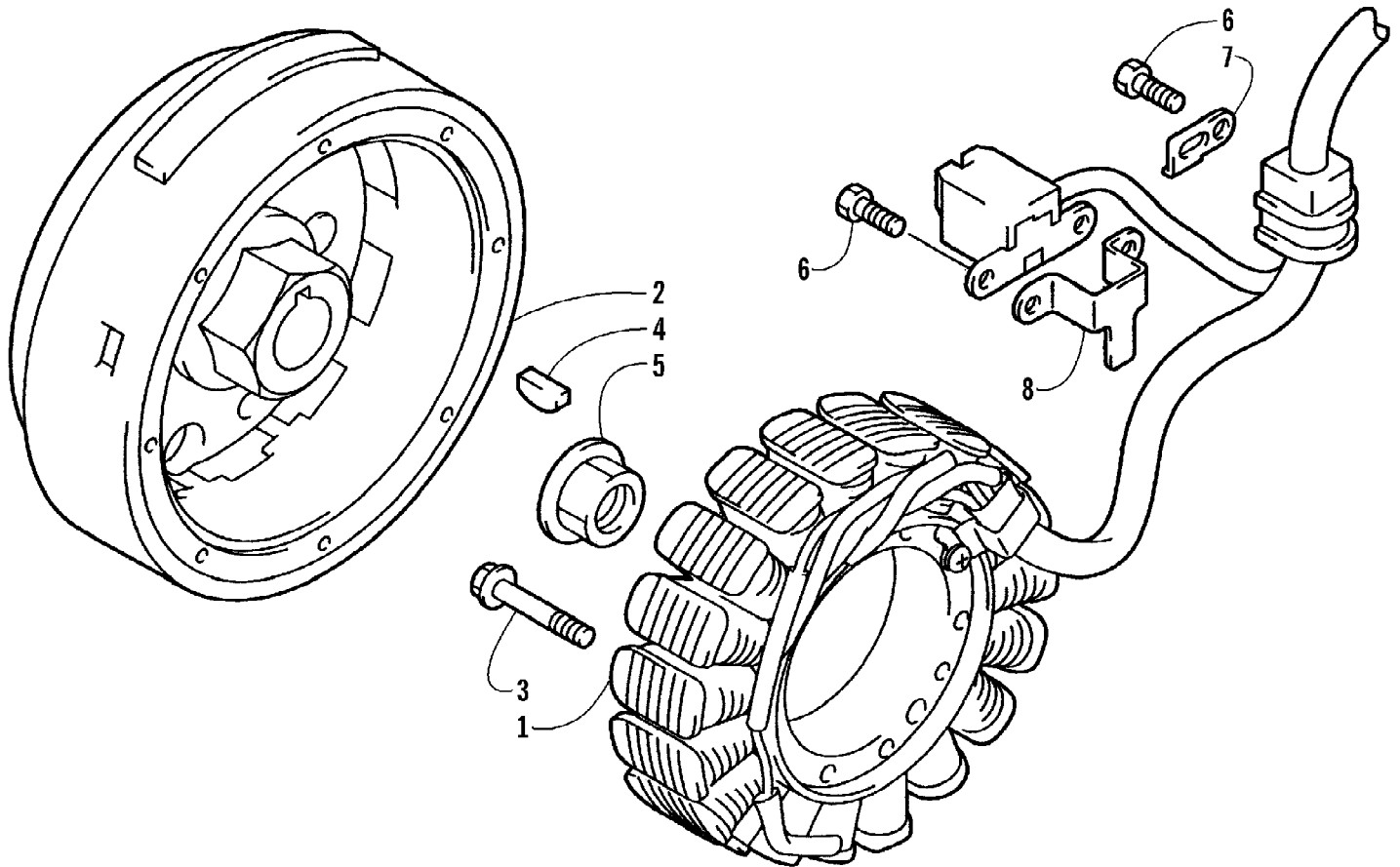
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (A2006IBS4B) 55 of 97
HYDRAULIC HAND BRAKE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 56 of 97
 HYDRAULIC HAND BRAKE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0502-914	1	S	Brake Assembly (inc. 2-10)
2	0502-566	1		Screw, Reservoir Cover - Kit
3	0502-868	1	/P	Cover, Reservoir - Kit
4	0502-568	1		Screw, Master Cylinder Clamp - Kit
5	0502-869	1		Clamp, Master Cylinder - Kit
6	0502-704	1		Master Cylinder Assembly - Kit
7	0502-866	1		Lever Assembly - Kit (inc. 8-9)
8	0502-867	1	/P	Lock, Brake Lever - Kit
9	0502-580	1		Lever Pin - Kit
10	0502-564	1	/P	Switch, Brake - Kit
11	0423-178	2		Washer, Crush
12	0423-413	1		Bolt, Banjo-Fitting

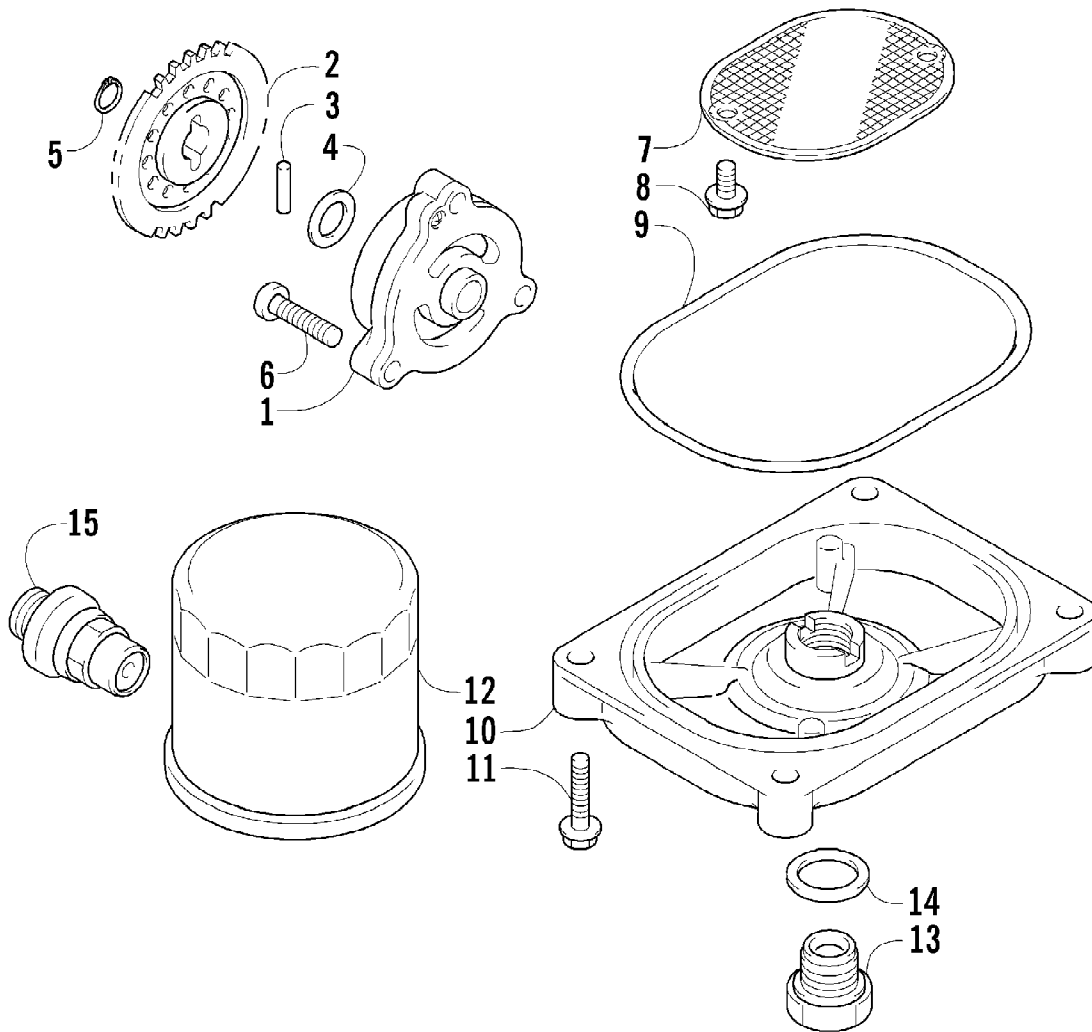
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 57 of 97
MAGNETO ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) Page 58 of 97
MAGNETO ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0802-037	1		Stator - Assembly
2	0802-036	1		Rotor/Flywheel
3	0826-102	3		Screw, Machine
4	0829-012	1		Key
5	0827-014	1		Nut
6	8470-510	3		Screw, Machine
7	0802-015	1		Clamp - No. 1
8	0802-016	1		Clamp - No. 2

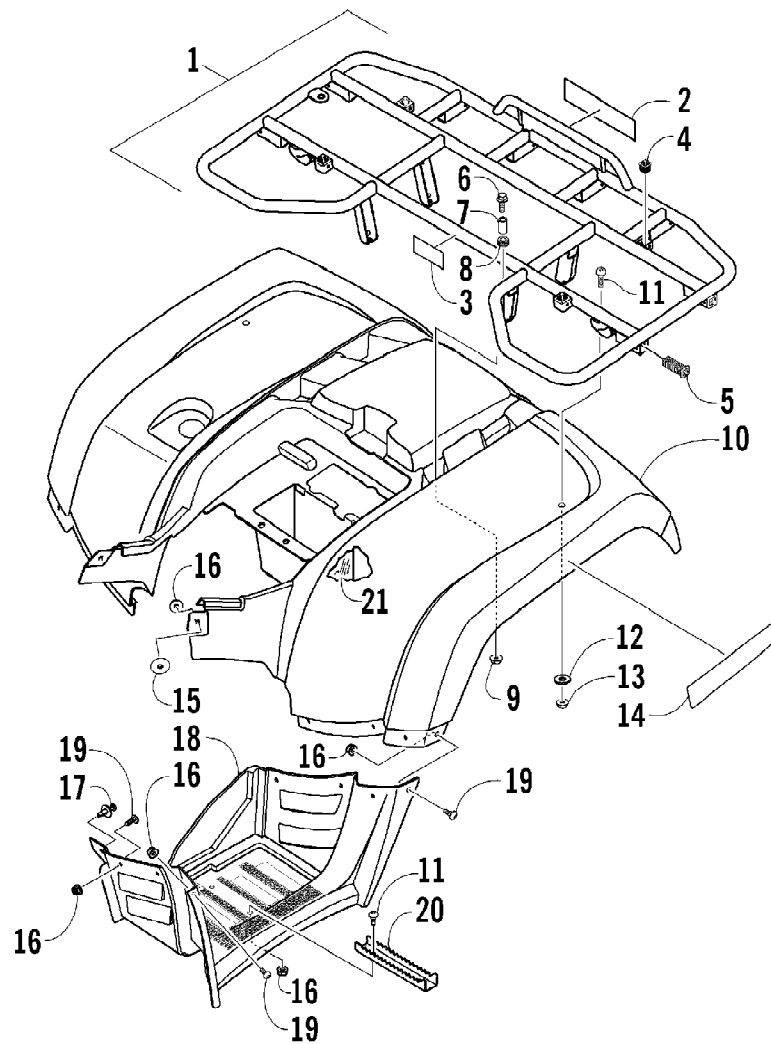
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 59 of 97
OIL FILTER/PUMP ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) Page 60 of 97
 OIL FILTER/PUMP ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0812-023	1		Pump, Oil
2	0812-002	1	S	Gear, Driven
3	0829-009	1		Pin
4	0828-007	1	/P	Washer
5	0831-002	1		Circlip
6	0826-039	3		Screw, Cap
7	0812-003	1	S	Strainer, Oil
8	0826-040	2		Screw, Machine
9	0830-023	1		O-Ring
10	0812-004	1		Cap, Oil Strainer
11	8468-625	4		Screw, Machine
12	0812-029	1	S	Filter, Oil
13	0812-006	1		Plug, Drain
14	0830-017	1		Gasket, Drain Plug
15	0812-007	1		Valve, Oil Relief - Assembly

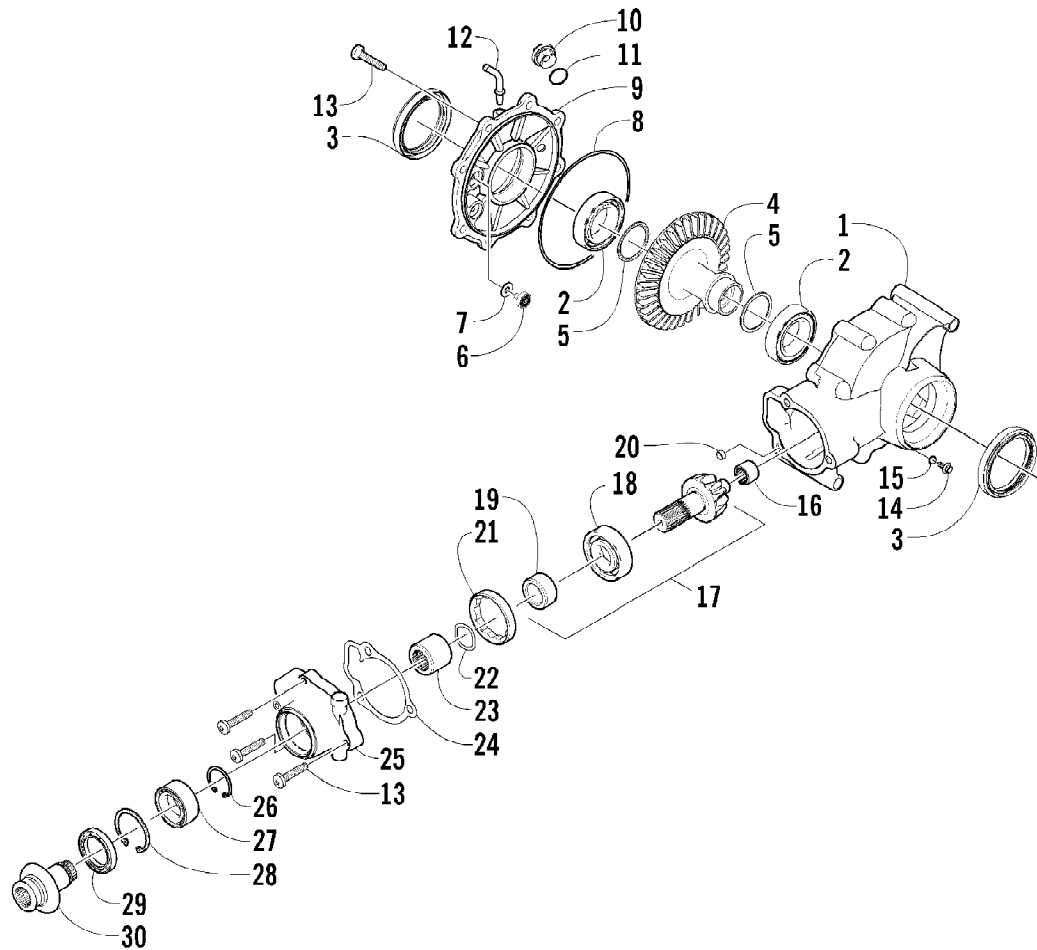
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 61 of 97
REAR BODY PANEL ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (Page 62 of 97)
 REAR BODY PANEL ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0541-337	1	/P	Rack - Rear - Assembly (inc. 2-5)
2	0411-814	1	/P	Decal, "Arctic Cat"
3	0411-648	1		Decal, Warning - Rear Rack Load
4	0441-592	4	/P	Bushing, Rack
5	2406-014	8		Bushing, Rack
6	8410-830	4		Screw, Cap
7	0423-463	4		Spacer
8	0423-465	4		Grommet
9	8432-802	4		Nut, Lock
10	2406-109	1	S	Panel, Fender - Rear
11	0423-355	6		Screw, Shoulder
12	8050-222	2	/P	Washer
13	8424-602	2	/P	Nut, Lock
14	0411-820	1	S	Decal, Reflector - Rear - Right
14	0411-821	1	S	Decal, Reflector - Rear - Left
15	0423-101	2		Screw, Body
16	0423-540	22		Nut, Lock
17	0623-362	2		Rivet, Reinstallable
18	1406-356	1		Footwell - Right
18	1406-357	1	S	Footwell - Left
19	0423-419	16		Screw, Machine
20	1506-125	2	/P	Footpeg
21	0412-296	1		Shield, Heat

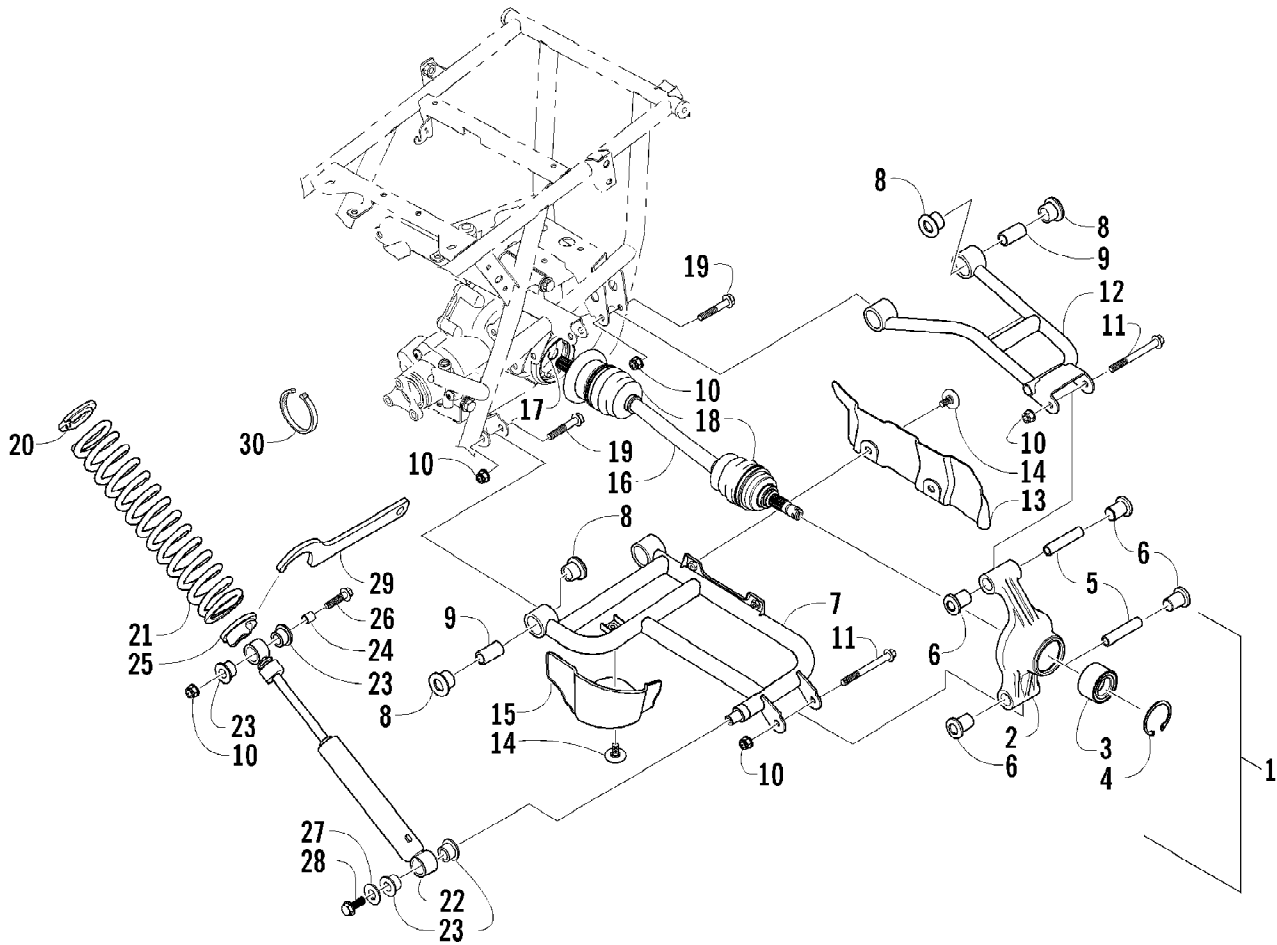
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 63 of 97
REAR DRIVE GEARCASE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150) 64 of 97
 REAR DRIVE GEARCASE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
	0502-820	1	/P	Rear Drive Gearcase Assembly
1	0502-622	1		Housing, Gearcase
2	0402-393	2		Bearing
3	0402-394	2	S	Seal
4	1402-032	1		Gear, Ring - 36T
5	0402-405	AR		Shim
5	0402-406	AR		Shim
5	0402-407	AR		Shim
5	0402-408	AR		Shim
5	0402-409	AR		Shim
6	0402-326	1		Button, Thrust
7	0402-429	AR		Shim
7	0402-430	AR		Shim
7	0402-431	AR		Shim
7	0402-432	AR		Shim
7	0402-433	AR		Shim
8	0423-149	1		O-Ring
9	0502-346	1		Cover, Gearcase
10	0402-333	1	/P	Plug, Fill (inc. 11)
11	0423-154	1		O-Ring
12	1402-102	1		Fitting
13	0423-118	11		Screw, Self-Tapping
14	0402-450	1	S	Plug, Magnetic (inc. 15)
15	0423-153	1		O-Ring
16	0402-328	1		Bearing
17	0502-783	1		Gear, Pinion - Assembly - 10T (inc. 18-19)
18	0402-327	1		Bearing
19	0402-336	1		Collar, Retaining
20	0402-411	1		Pin, Dowel
21	0402-331	1		Collar, Lock
22	0402-982	1		Washer, Wave
23	0402-981	1		Collar, Shaft
24	0402-947	1		Gasket, Flange
25	0502-529	1		Housing, Pinion
26	0423-417	1		Ring, Retaining
27	1402-043	1		Bearing
28	0423-423	1		Ring, Retaining
29	1402-011	1		Seal
30	0502-407	1	S	Shaft, Input

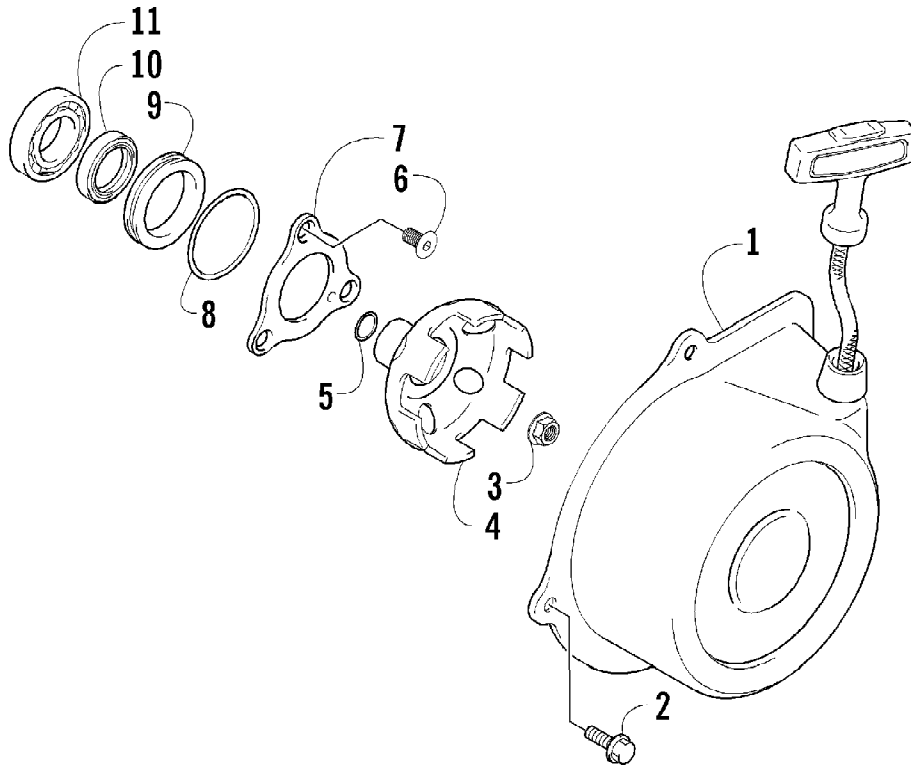
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 65 of 97
REAR SUSPENSION ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (Page 66 of 97)
 REAR SUSPENSION ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0504-372	1	S	Knuckle, Right Rear - Assembly (inc. 2-6)
1	0504-373	1	S/P	Knuckle, Left Rear - Assembly (inc. 2-6)
2	0	1	F	Knuckle - Right
2	0	1	F	Knuckle - Left
3	1402-027	2	S/P	Bearing, Wheel Hub
4	0423-423	2		Ring, Retaining
5	0403-038	4	S/P	Collar, Suspension Bushing
6	0403-032	8	S	Bushing, Suspension
7	0504-320	1	S	A-Arm, Rear - Lower Right (inc. 8-9)
7	0504-321	1	S	A-Arm, Rear - Lower Left (inc. 8-9)
8	0403-115	16	S	Bushing
9	0403-114	8	S	Collar
10	8428-002	14		Nut, Lock
11	8409-000	4		Screw, Cap
12	0504-318	1		A-Arm, Rear - Upper Right (inc. 8-9)
12	0504-319	1		A-Arm, Rear - Upper Left (inc. 8-9)
13	1406-068	1		Guard, Boot - Rear - Right
13	1406-069	1		Guard, Boot - Rear - Left
14	0423-101	6		Screw, Body
15	1406-071	1		Guard, Boot - Right
15	1406-072	1		Guard, Boot - Left
16	0502-811	2	S	Axle, Drive (inc. 17-18)
17	0441-893	2	S	Clip, Retaining
18	0436-276	2	S	Repair Kit, Boot - Rear Axle
19	8409-075	8		Screw, Cap
20	1603-889	2	/P	Retainer, Spring
21	0404-112	2		Spring, Suspension
22	0404-077	2		Shock Absorber - Rear (inc. 23-24)
23	0604-310	8		Bushing, Shock Absorber
24	0403-028	2		Sleeve, Shock Absorber
25	0404-057	2		Cam, Spring Adjuster
26	8409-040	2		Screw, Cap
27	0423-087	2		Washer
28	8408-820	2	/P	Screw, Cap
29	0441-587	1		Wrench, Spanner
30	0123-788	2	/P	Cable Tie

2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) 67 of 97
RECOIL STARTER ASSEMBLY



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 RECOIL STARTER ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0820-001	1		Starter, Recoil - Assembly
2	0826-038	4		Screw, Machine
3	0827-008	1		Nut
4	0820-036	1	S	Cup, Starter
5	0830-108	1		O-Ring
6	0826-031	3		Screw
7	0805-008	1		Retainer, Oil Seal
8	0830-021	1	/P	O-Ring
9	0820-007	1		Spacer
10	0830-022	1		Seal, Oil
11	0832-006	1	S	Bearing

No
Diagram
Available

Parts List
Only

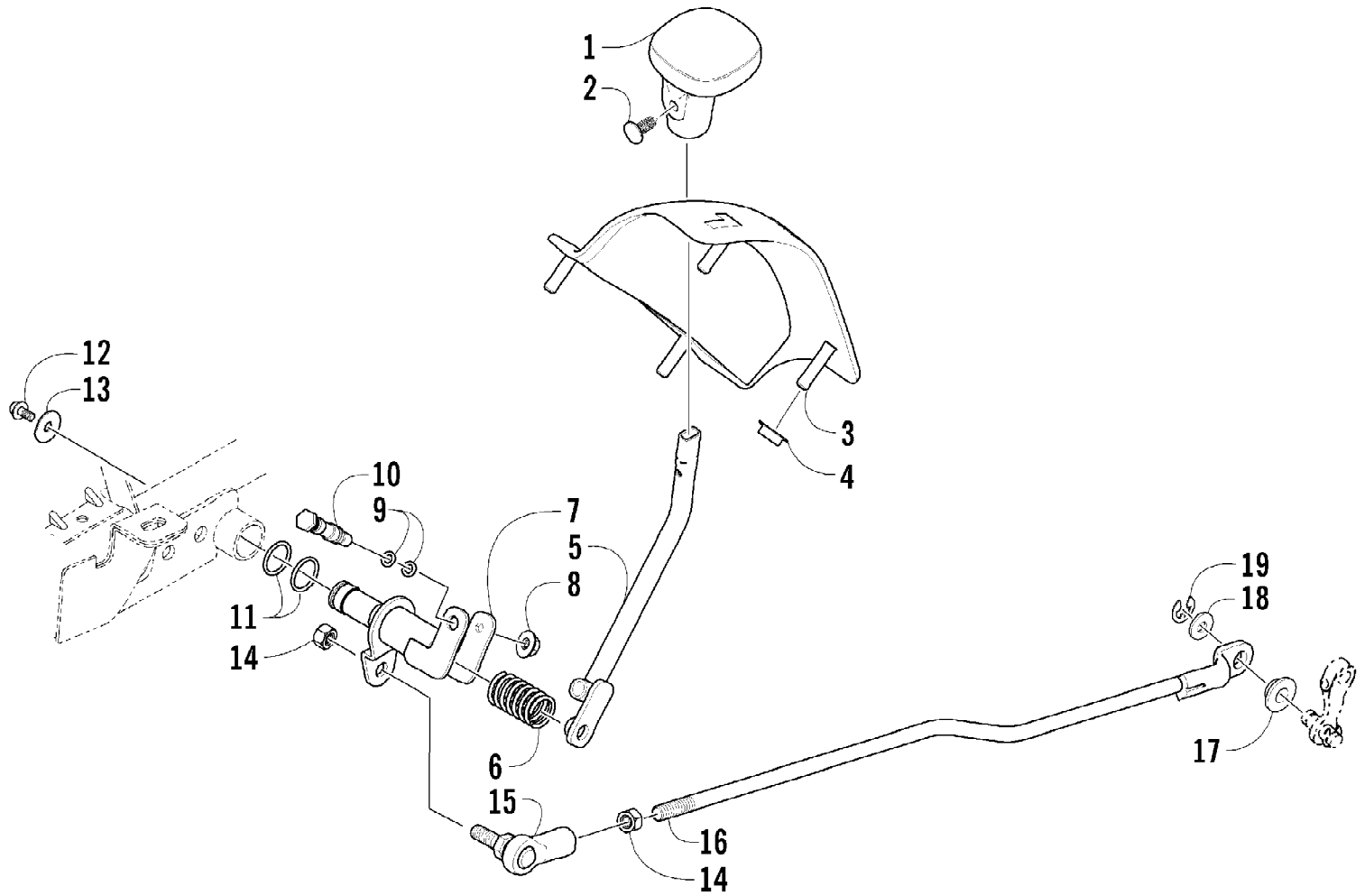
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) Page 70 of 97
 RELATED ITEMS

Ref #	Part Number	Qty	S/P/F	Description
	0436-360	1		Plow Blade, 60 in. - One-Way
	0436-636	1	/P	Plow, Push Frame
	0436-626	1	S	Rack Basket
	0436-647	1		Rack Extension, 4 in. (Front)
	0436-646	1		Rack Extension, 8 in. (Rear)
	0436-629	1		Rapid Blind (Break-Up)
	0436-630	1		Rapid Blind (Shadow Grass)
	0436-628	1		Rapid Shack (Blue Ice)
	0436-511	1		Rod Holder - Adjustable
	0436-471	1		Speedclamp, Double
	0436-624	1		Sprayer System
	0436-741	1	/P	Sprayer Boom (120 in.)
	0436-744	1		Sway Bar Kit
	1402-028	1		Tire, Titan AT589 (25x8-12, Mud & Snow)
	0402-563	1		Tire, Titan AT589 (25x10-12, Mud & Snow)
	0436-297	1		Tool Holder - Double
	0436-263	1	/P	Tool Holder - Single
	0436-792	1	S	Tree Stand/Bow Case Holder
	0436-655	1		Winch, 2500 lb
	0436-623	1		Windshield, Clear w/Black Accent
	0436-470	1		Workbase (8 in.)
	0436-479	1		Articulating Spool Mount
	0436-548	1		Articulating Spool Receiver Mount Adapter
	0436-679	1		Bag, Fender - Black
	0436-660	1	S	Bag, Rack, Front - Black
	0436-480	1		Bar, Utility/Gun Rack
	0436-811	1		Basket, Open-End
	0436-462	1		Bucket Holder
	0436-464	1		Camp Stove Cradle
	0436-454	1		Cargo Box
	0436-625	1		Cargo Box Quick-Release Kit
	0436-828	1		Carrier, Pro Grip
	0436-459	1	/P	Carryall (9 x 12)
	0436-460	1		Carryall (11 x 17)
	0436-652	1		Carryall (14 x 27)
	0436-476	1		Chain Saw Lock
	0436-477	1		Cord Reel
	0436-664	1		Cover, Black and Green
	0436-668	1		Cover, Timber Camo
	0436-005	1	S	Engine Oil - 10W40
	0436-003	1	S	Engine Oil - 5W30
	0436-466	1		Fender Box
	0436-538	1		Gear Cradle
	0436-007	1	S	Gear Lube (Diff) - 80W90
	0436-501	1	S	Grease, High-Performance
	0436-627	1		Gun Scabbard Kit
	0436-706	1	/P	Gun Scabbard Mount
	0436-505	1		Hand Guards - Black
	0436-352	1		Hand/Thumb Warmers
	0436-639	1		Ice Auger Holder
	0436-795	1		King Kong Pack
	0436-793	1		Laydown Blind
	0436-787	1		Liftgate Plate Kit

2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) Page 71 of 97
 RELATED ITEMS

Ref #	Part Number	Qty	S/P/F	Description
	0436-463	1		Light Bar
	2257-461	1		Manual, Illustrated Parts
	2257-299	1		Manual, Operator's (E)
	2257-313	1		Manuel d'utilisation (F)
	0436-635	1		Plow Attachment Kit
	0436-228	1		Plow Blade, 50 in. - Straight
	0436-287	1		Plow Blade, 50 in. - One-Way
	0436-296	1		Plow Blade, 60 in. - Straight

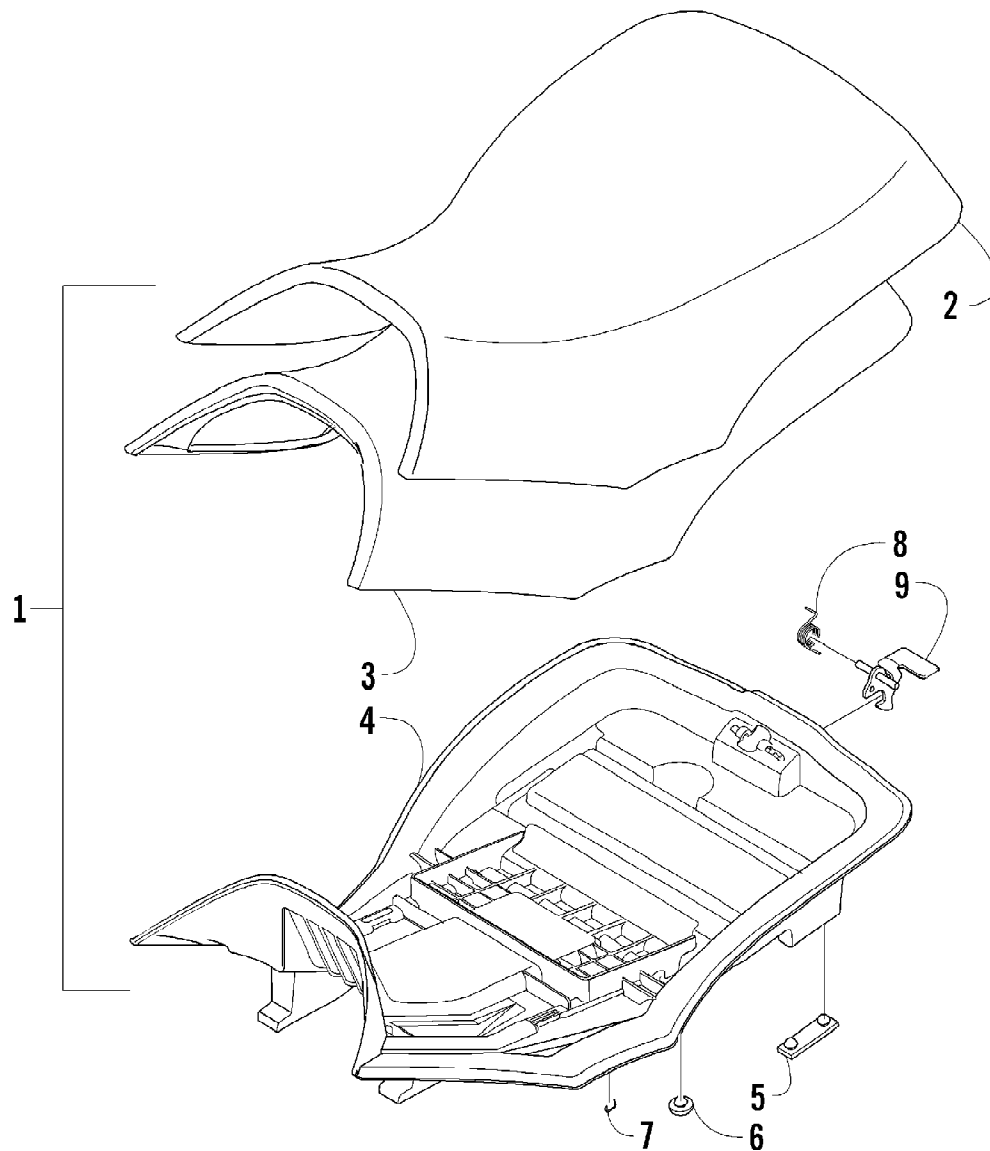
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 72 of 97
REVERSE SHIFT LEVER ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (Page 73 of 97)
 REVERSE SHIFT LEVER ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0402-843	1	/P	Handle, Reverse Shift Lever
2	0423-345	1		Clip, Push
3	1402-110	1		Plate, Shift
4	0423-357	4		Nut, Stamped
5	0502-659	1		Lever, Reverse Shift
6	0502-410	1	S	Spring, Reverse Shift Lever
7	0502-742	1		Axle, Reverse Shift Lever
8	8424-602	1	/P	Nut
9	0423-182	2	/P	O-Ring
10	0402-675	1		Axle, Pivot
11	0423-299	2	/P	O-Ring
12	8408-812	1		Screw, Cap
13	0423-087	1		Washer
14	0623-294	2		Nut
15	1402-270	1		End, Rod
16	0502-989	1	/P	Linkage, Shift
17	0423-091	1		Bushing
18	0623-094	1		Washer
19	0423-169	1	/P	E-Ring

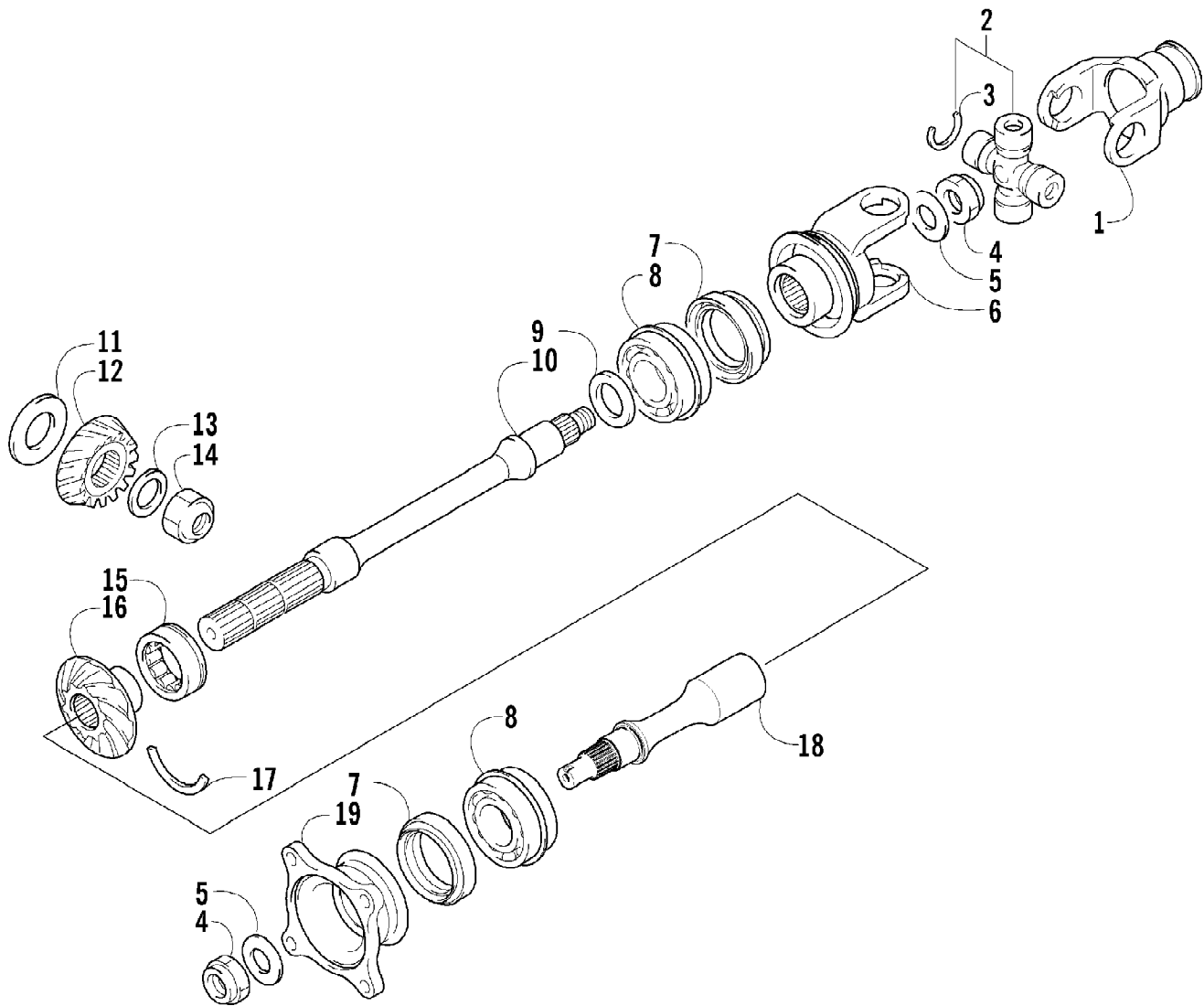
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) 74 of 97
SEAT ASSEMBLY



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SEAT ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	1506-937	1	S/P	Seat Assembly (inc. 2-9)
2	1506-209	1		Cover, Seat
3	1506-208	1		Foam, Seat
4	2406-144	1	S/P	Base, Seat Assembly (inc. 5-6)
5	0406-879	2		Bumper, Seat - Rear
6	0406-877	4	/P	Bumper, Seat - Front
7	0624-528	AR	/P	Staple
8	1406-592	1	/P	Spring, Seat Latch
9	1506-156	1		Latch, Seat

2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) Page 76 of 97
SECONDARY DRIVE ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (Page 77 of 97)
 SECONDARY DRIVE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0819-063	1		Yoke, Propeller Shaft Joint
2	1402-164	1	/P	Joint, Universal - Set (inc. 3)
3	0423-450	4		Circlip
4	0827-013	2		Nut, Rear Output Joint
5	0828-020	2		Washer, Rear Output Flange
6	0819-061	1		Yoke, Drive Output - Front
7	0830-043	2		Seal, Oil - Driven Shaft
8	0832-017	2		Bearing, Driven Shaft
9	0828-021	AR		Shim, 25 x 34 x 0.25 mm
9	0828-022	AR		Shim, 25 x 34 x 0.30 mm
9	0828-023	AR		Shim, 25 x 34 x 0.70 mm
9	0828-024	AR		Shim, 25 x 34 x 0.90 mm
9	0828-025	AR		Shim, 25 x 34 x 0.95 mm
9	0828-026	AR		Shim, 25 x 34 x 1.00 mm
9	0828-027	AR		Shim, 25 x 34 x 1.05 mm
9	0828-028	AR		Shim, 25 x 34 x 1.10 mm
9	0828-029	AR		Shim, 25 x 34 x 1.15 mm
10	0819-003	1	S	Shaft, Secondary Driven - Front
11	0828-030	AR		Shim, 24 x 48 x 0.25 mm
11	0828-031	AR		Shim, 24 x 48 x 0.30 mm
11	0828-032	AR		Shim, 24 x 48 x 0.35 mm
11	0828-033	AR		Shim, 24 x 48 x 0.90 mm
11	0828-018	AR		Shim, 24 x 48 x 0.95 mm
11	0828-062	AR		Shim, 24 x 48 x 1.00 mm
11	0828-063	AR		Shim, 24 x 48 x 1.05 mm
11	0828-064	AR		Shim, 24 x 48 x 1.10 mm
11	0828-065	AR		Shim, 24 x 48 x 1.15 mm
12	0819-001	1		Gear, Secondary Drive
13	0828-019	1		Washer
14	0827-012	1		Nut
15	0832-016	1		Bearing, Driven Gear
16	0819-002	1		Gear, Secondary Driven
17	0819-011	1		Ring, Driven Bearing
18	0819-053	1		Shaft, Secondary Driven - Rear
19	0819-005	1		Flange, Output Joint - Rear

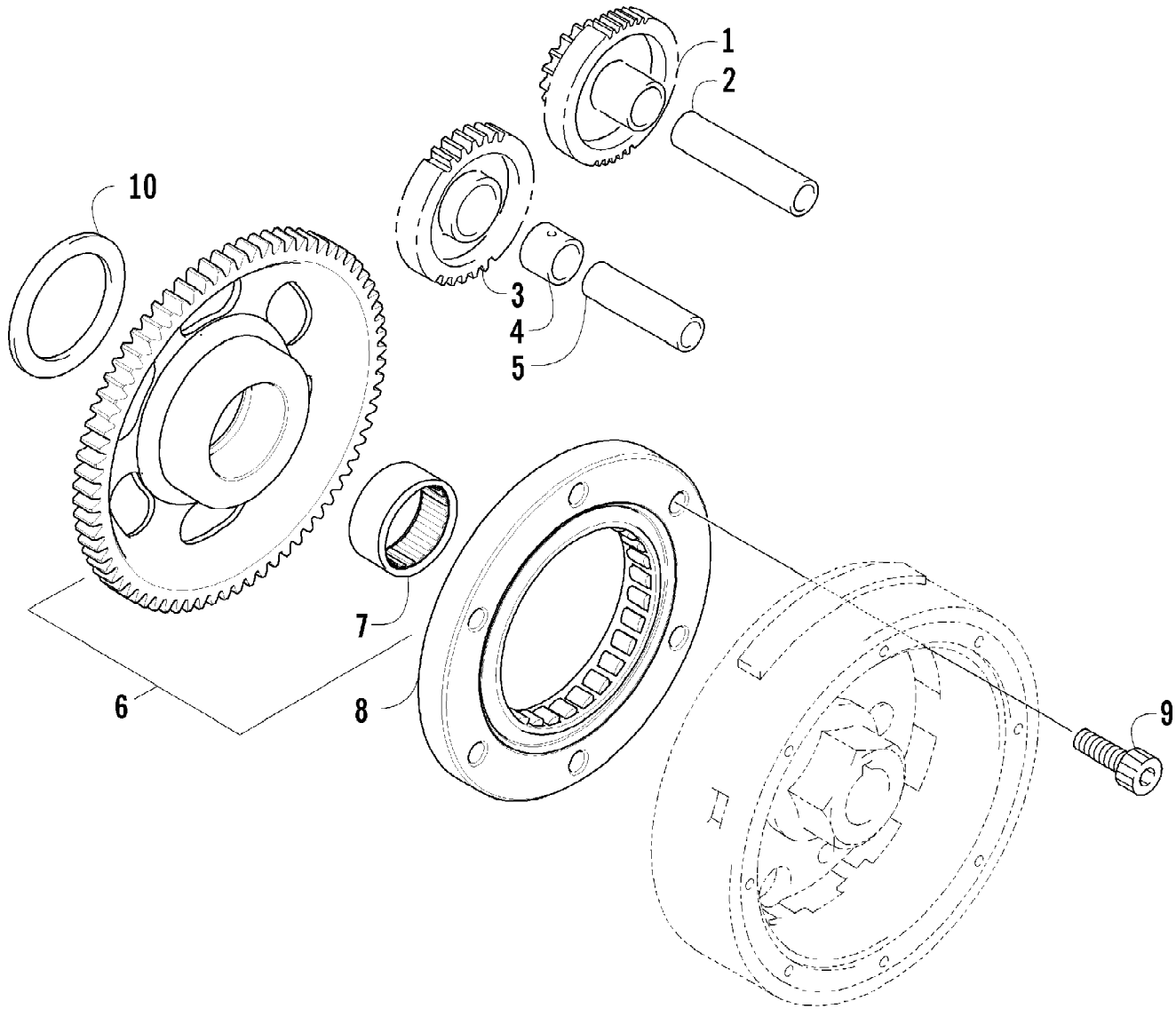
BRIDGE



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 SECONDARY TRANSMISSION ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0822-048	1		Countershaft Assembly (inc. 2-16)
2	0822-008	1		Gear, Drive - No. 2
3	0822-014	1		Dog, Reverse Driven Gear
4	0831-011	2		Circlip
5	0822-045	1		Spacer, Reverse Driven Gear
6	0828-008	2		Washer
7	0822-013	1		Gear, Reverse Driven
8	0832-011	3		Bearing
9	0822-005	3		Bushing
10	0828-014	1		Washer, Lock
11	0828-015	1		Washer, Lock
12	0822-004	1		Gear, Driven - Low
13	0822-046	2		Washer, Driven Gear
14	0822-003	1		Countershaft
15	0822-007	1		Dog, Sliding
16	0822-006	1		Gear, Driven - High
17	0828-011	1		Washer, Drive Gear
18	0828-010	1		Washer, Drive Gear
19	0831-040	1		Ring, Retaining
20	0828-069	1		Washer, Thrust
21	0822-050	1		Trigger, Speedometer Sensor
22	0831-039	1		Ring, Retaining
23	0830-129	1		Gasket
24	0829-023	2		Pin, Dowel
25	0822-049	1		Housing, Speedometer Sensor
26	0824-015	1	S	Sensor, Speedometer
27	8468-620	1	/P	Screw, Machine
28	8468-645	2		Screw, Machine
29	0830-107	2		Seal, Fastener
30	0822-009	1		Gear, Driven - No. 2
31	0822-037	1	S	Shaft, Output
32	0832-014	1	S	Bearing
33	0822-001	1		Driveshaft
34	0828-016	2		Washer, Reverse Idle Gear
35	0822-011	1		Gear, Reverse Idle
36	0822-012	1		Bushing, Reverse Idle Gear
37	0822-015	1		Shaft, Reverse Idle

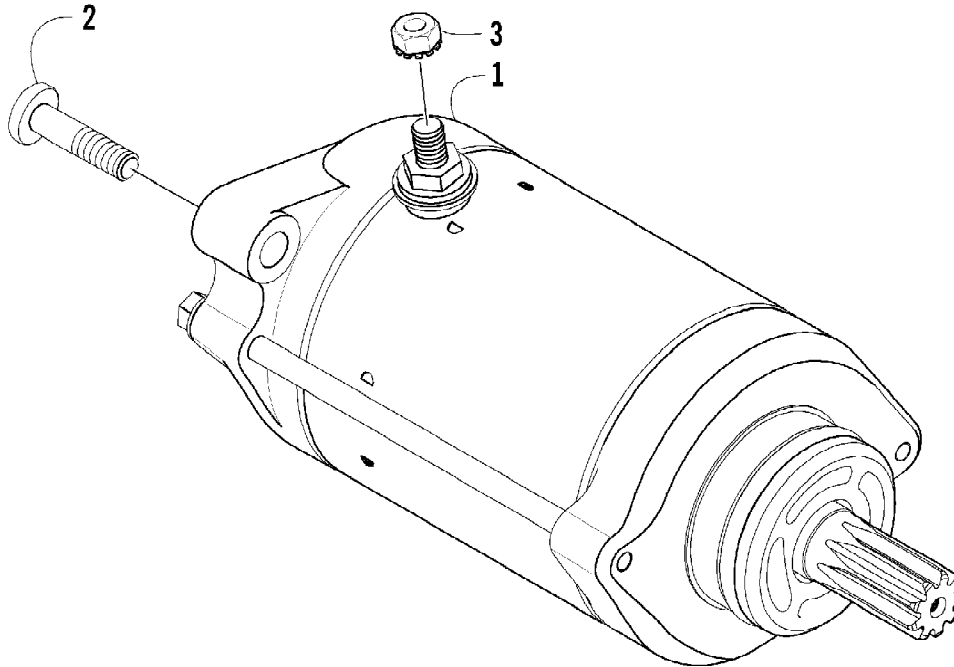
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 80 of 97
STARTER CLUTCH ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 81 of 97
 STARTER CLUTCH ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0815-001	1		Gear, Starter Idler - No. 1
2	0829-031	1	/P	Shaft, Starter Gear
3	0815-002	1		Gear, Starter Idler - No. 2
4	0815-003	1		Spacer, Starter Idler Gear No. 2
5	0829-032	1	/P	Shaft, Starter Gear
6	0815-004	1		Gear Starter Clutch (inc. 7)
7	0832-004	1	S	Bearing
8	0802-035	1		Clutch, Starter
9	0826-069	6		Screw, Machine
10	0828-094	1		Washer

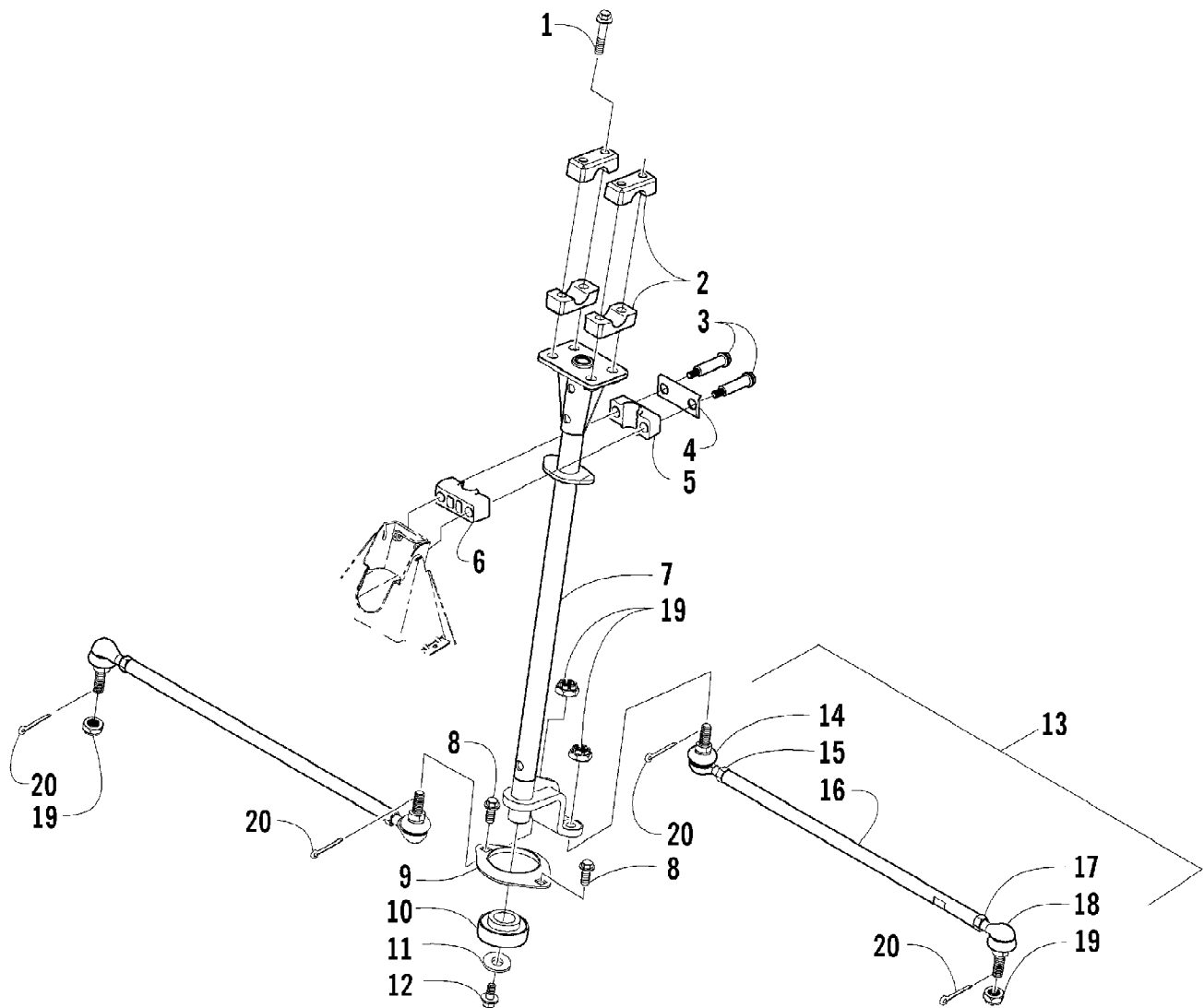
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) 82 of 97
STARTER MOTOR ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150)83 of 97
STARTER MOTOR ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0825-001	1	S	Motor, Starter - Assembly
2	8468-630	2		Screw, Machine
3	0623-038	1		Nut w/Washer

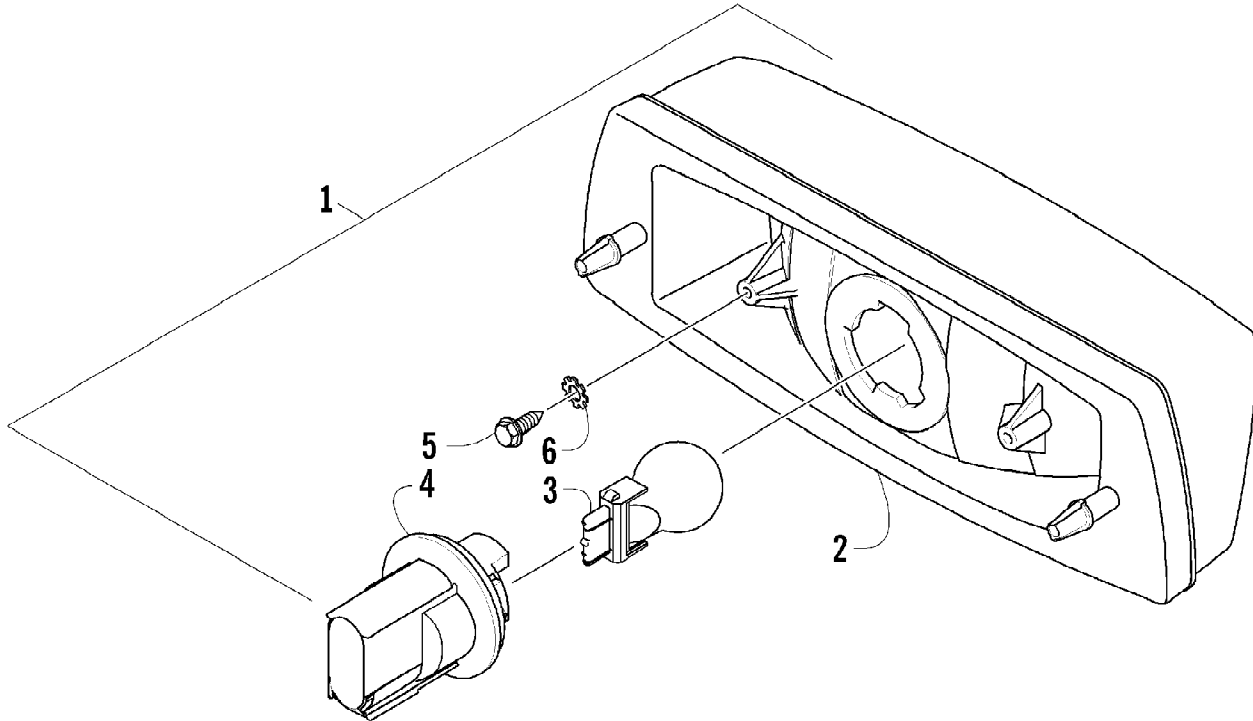
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 84 of 97
STEERING POST ASSEMBLY



2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 85 of 97
 STEERING POST ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	8408-860	4		Screw, Cap
2	0405-035	4		Cap, Steering Adjuster
3	0423-505	2		Screw, Shoulder
4	0405-166	1		Cap, Housing
5	0405-138	1		Housing, Lower
6	0405-139	1		Housing, Upper
7	0505-451	1	S	Post, Steering
8	8408-816	2		Screw, Cap
9	0602-233	1		Flange, Bearing
10	0405-052	1		Bearing w/Inverted Oil Seal
11	0423-073	1		Washer
12	8409-020	1	/P	Screw, Cap
13	0505-408	2	S	Tie Rod - Assembly (inc. 14-18)
14	0405-083	2	S	Ball Joint, Tie Rod - Left
15	0423-013	2		Nut - Left
16	0405-107	2	S	Tie Rod
17	8420-002	2	/P	Nut - Right
18	0405-082	2	S	Ball Joint, Tie Rod - Right
19	0423-157	4		Nut, Lock
20	0623-175	4		Pin, Cotter

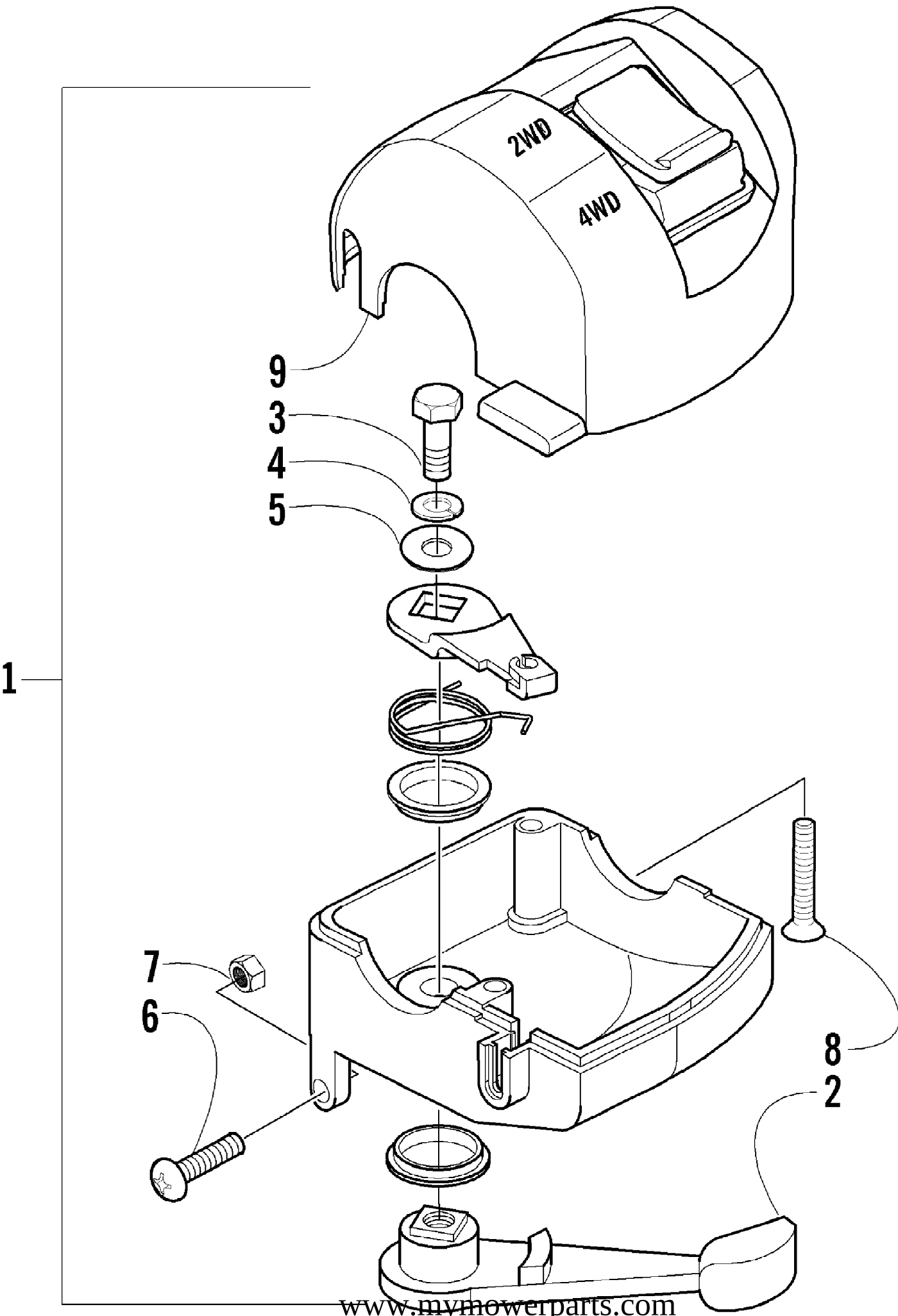
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) Page 86 of 97
TAILLIGHT ASSEMBLY



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 TAILLIGHT ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0509-022	1		Taillight Assembly (inc. 2-4)
2	0509-025	1		Housing, Taillight
3	0409-056	1		Bulb, Taillight
4	0409-057	1		Socket, Taillight
5	0623-301	2	/P	Screw, Self-Tapping
6	8053-212	2	/P	Washer, Lock - External Tooth

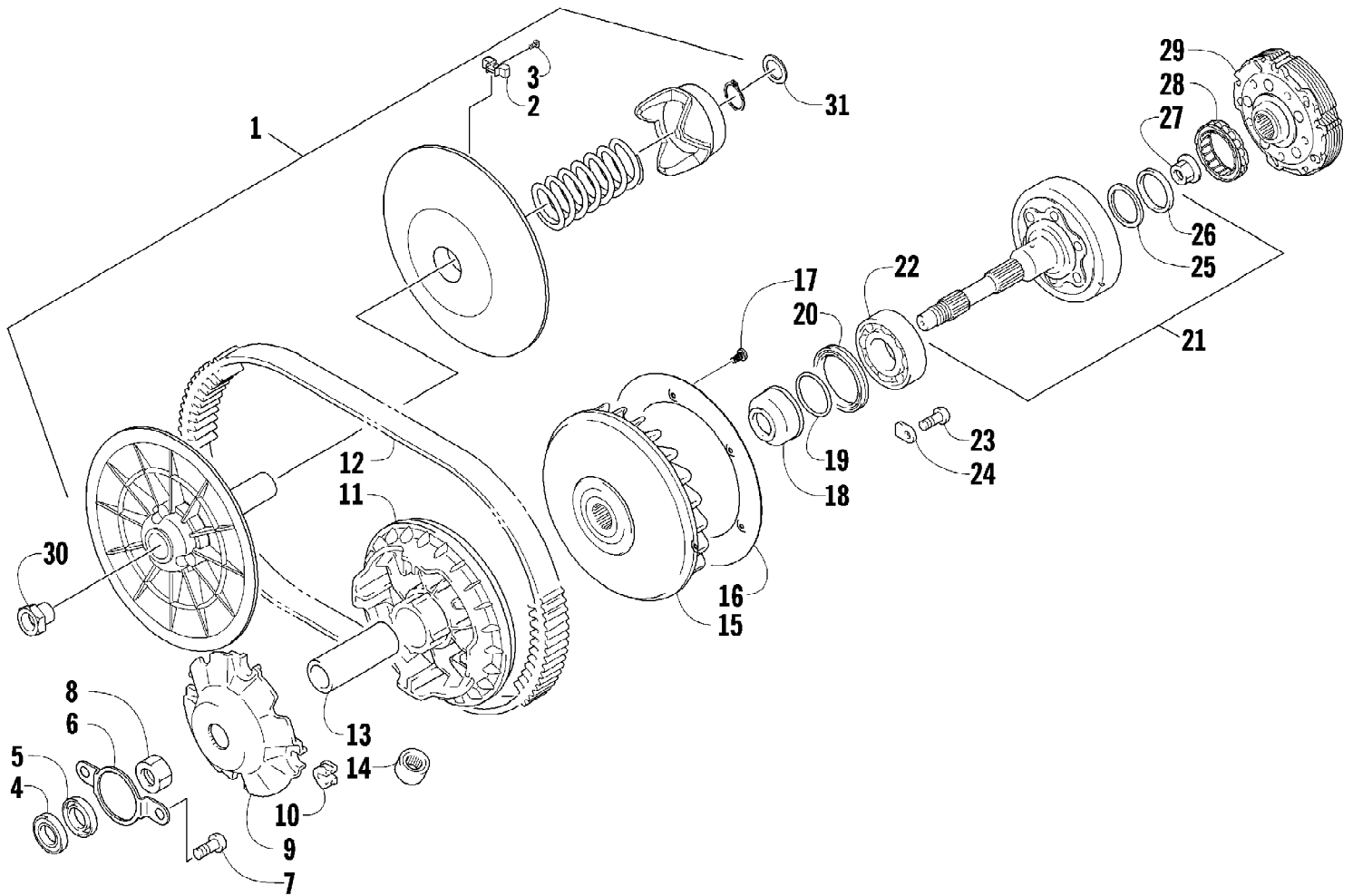
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) 88 of 97
THROTTLE CASE ASSEMBLY



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THROTTLE CASE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0509-012	1		Case, Throttle - Assembly (inc. 2-9)
2	3409-001	1		Lever
3	3004-533	1	S/P	Screw, Cap
4	3004-447	1	/P	Washer, Lock
5	3003-030	1	/P	Washer
6	3423-014	1		Screw
7	3423-327	1		Nut
8	3423-199	2		Screw
9	0409-048	1		Cover, Throttle w/Switch

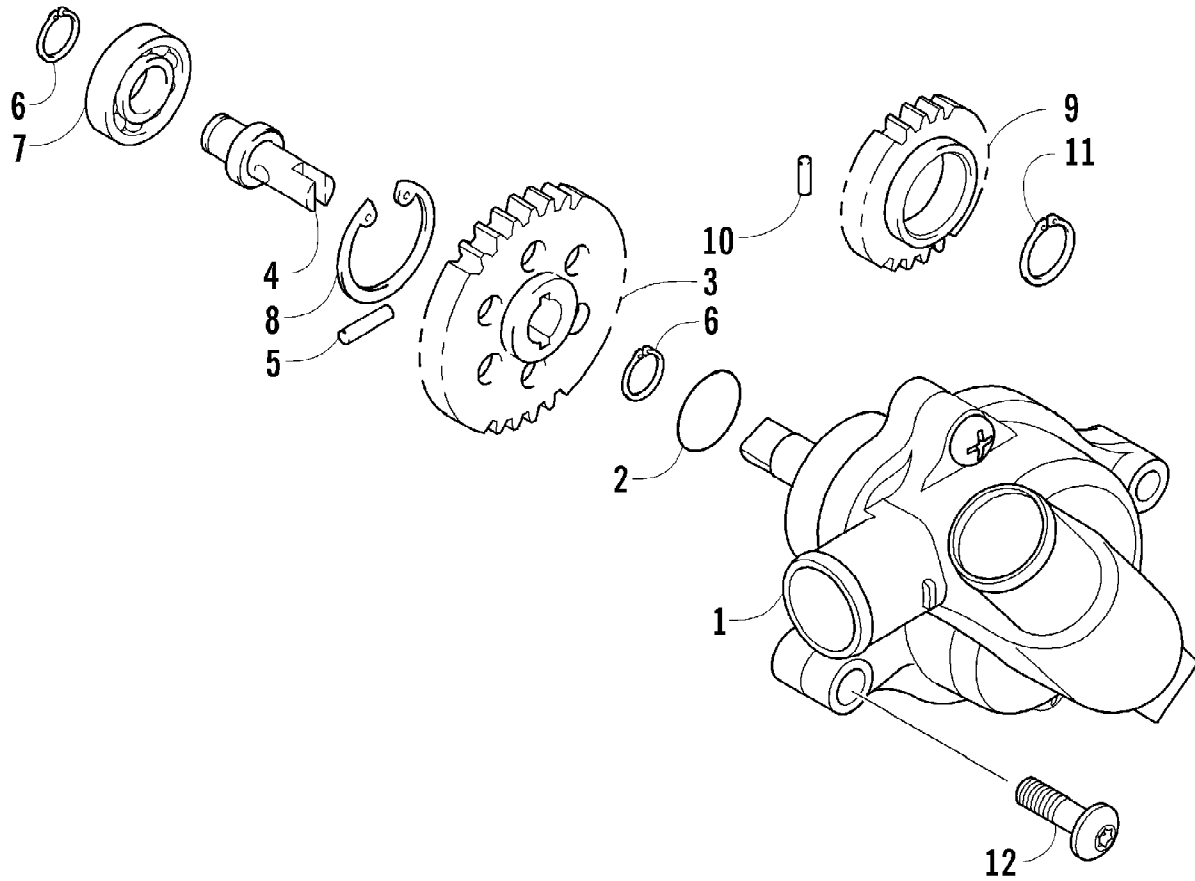
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150) 90 of 97
TRANSMISSION ASSEMBLY



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TRANSMISSION ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0823-157	1	S/P	Pulley, Driven - Assembly (inc. 2-3 and 30)
2	0823-176	3	/P	Shoe, Cam
3	0823-177	3		Screw, Machine
4	0832-010	1		Bearing
5	0823-016	1	S	Seal, Clutch Housing - Right
6	0823-020	1		Retainer, Bearing
7	0826-031	2		Screw
8	0827-010	1		Nut
9	0823-008	1		Plate, Movable Drive Face
10	0823-010	4		Damper, Movable Drive Face
11	0823-159	1		Face, Movable Drive
12	0823-013	1		Belt, Drive
13	0823-149	1		Spacer, Movable Drive Face
14	0823-012	8	S	Roller, Movable Drive Face
15	0823-001	1	S	Face, Fixed Drive
16	0823-131	1		Shroud, Drive Face
17	0623-914	6		Screw, Self-Tapping
18	0823-015	1		Spacer, Fixed Drive Face
19	0470-531	1		O-Ring
20	0830-034	1	S	Seal, Clutch Housing - Right
21	0823-270	1	S	Housing, Clutch - Assembly (inc. 25-26)
22	0832-009	1	/P	Bearing
23	0826-029	2		Screw, Bearing Retainer
24	0822-010	2	/P	Retainer, Bearing
25	0828-075	1		Shim
26	0823-017	1	S	Seal, Clutch Housing - Left
27	0827-011	1		Nut
28	0823-018	1		Clutch, One-Way
29	0823-098	1	S	Clutch, Centrifugal - 6 Plate
30	0823-178	1		Nut, Driven Pulley
31	0828-076	1		Shim

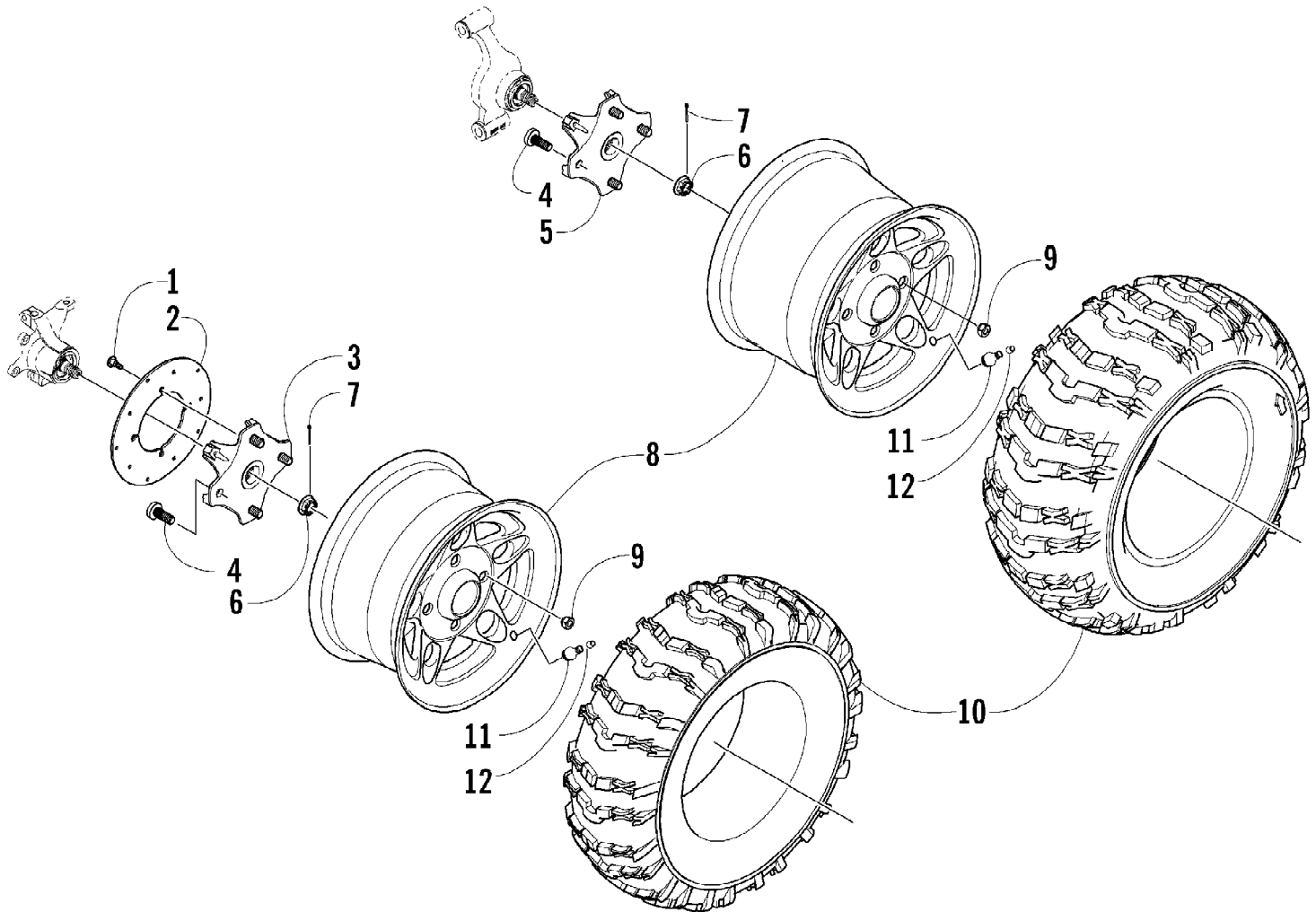
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B150) 92 of 97
WATER PUMP ASSEMBLY



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 WATER PUMP ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0813-001	1		Pump, Water - Assembly (inc. 2)
2	0830-029	1		O-Ring
3	0813-004	1		Gear, Driven
4	0813-005	1		Shaft, Driven Gear
5	0829-009	1		Pin, Driven Gear
6	0831-002	2		Circlip, Driven Gear
7	0832-008	1	S	Bearing, Shaft
8	0831-004	1		Circlip, Shaft Bearing
9	0811-003	1		Gear, Water Pump Drive
10	0829-007	1		Pin, Drive Gear
11	0831-005	1		Circlip, Drive Gear
12	8468-665	2		Screw, Machine

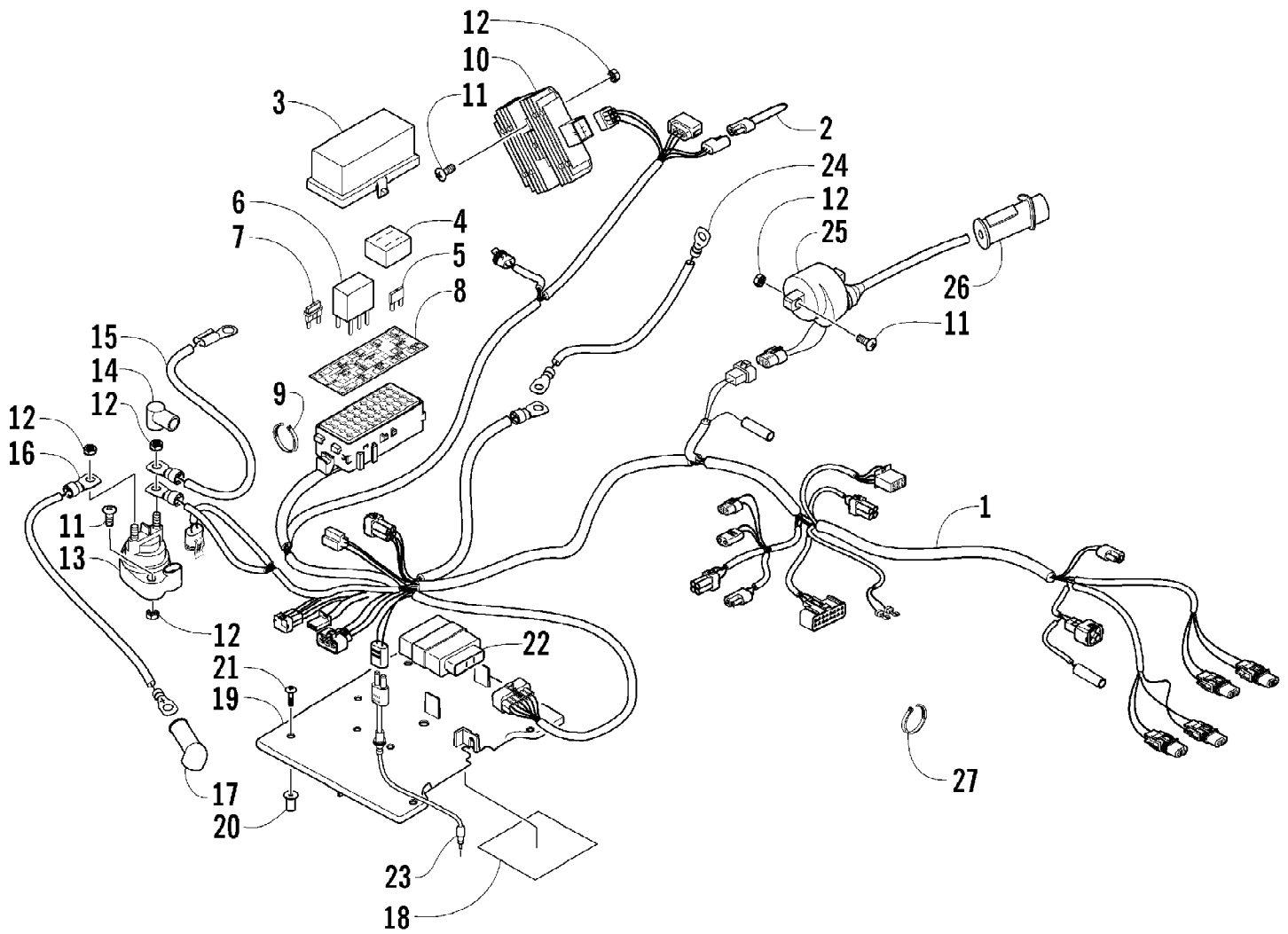
2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (P150) 94 of 97
WHEEL AND TIRE ASSEMBLY



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WHEEL AND TIRE ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0423-557	12		Screw, Shoulder w/Loctite
2	1402-225	3	S	Disc, Brake
3	0502-599	2	S	Hub, Wheel - Front (inc. 4)
4	0402-974	16	/P	Stud, Wheel Hub
5	0502-601	1	S	Hub, Wheel - Rear - Left (inc. 4)
5	0502-599	1	S	Hub, Wheel - Rear - Right (inc. 4)
6	0423-607	4		Nut, Castle
7	0423-407	4		Pin, Cotter
8	1402-424	1		Wheel, Front
8	1402-425	1		Wheel, Rear
9	0423-618	16		Nut, Mounting - Wheel
10	1402-100	2		Tire - Front
10	1402-137	2		Tire - Rear
11	0402-064	4		Stem, Valve (inc. 12)
12	0402-140	4		Cap, Valve Stem

2006 ATV 650 H1 AUTOMATIC TRANSMISSION 4X4 BLACK SE (A2006IBS4B) (A2006IBS4B) 96 of 97
WIRING HARNESS ASSEMBLY



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 WIRING HARNESS ASSEMBLY

Ref #	Part Number	Qty	S/P/F	Description
1	0486-186	1		Harness, Main (inc. 2-8 and two No. 9)
2	0486-164	1		Tether, Accessory Connector
3	0530-008	1		Cover, Fuse Block
4	0430-037	1		Holder, Fuse
5	0430-034	3		Diode
6	0430-033	4		Relay (5-Pin) - 20 Amp
7	0430-032	2		Fuse - 10 Amp
7	0430-031	4		Fuse - 15 Amp
7	0430-030	2		Fuse - 30 Amp
8	1411-130	1		Decal, Fuse Block
9	0123-788	AR	/P	Cable Tie - 7.5 in.
10	0824-020	1	S	Regulator, Voltage
11	8476-625	4		Screw, Machine
12	0623-038	8		Nut w/Washer
13	0445-036	1	S	Solenoid
14	0645-327	1		Boot, Terminal
15	0445-044	1	S	Cable, Solenoid/Starter
16	0445-046	1	S	Cable, Battery/Solenoid
17	0645-019	1		Boot, Terminal
18	0412-291	1		Shield, Heat
19	1406-787	1		Tray, Electrical
20	0123-010	4	/P	Nut, Expansion
21	0623-121	4		Screw, Machine
22	0824-034	1	S/P	CDI Unit
23	0409-072	1		Switch, Brake - Assembly
24	0445-045	1	S	Cable, Battery/Ground
25	0824-036	1		Coil, Ignition - Assembly
26	0824-021	1	S	Cap, Spark Plug
27	0123-903	AR		Cable Tie - 11.5 in.